EP WELLS DAILY OPERATIONS REPORT

Report 19 05/26/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	18.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	14.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	BRYAN BOYLES	Measured Depth(ft)	11,857.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,737.58
Other Supervisor	JUSTIN HENSON	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	8.750
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	9.625in@5,060.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	7.000in@12,100.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	9.50
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	1,737,579/2,964,096.00	Formation top MD	
Actual divided by AFE	0.59	Daily NPT(hr/%)	0/0
Daily Cost	456,855	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	276	Safety Card - Unsafe	2
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 286 DAYS
NO LTI 286 DAYS
LAST HIPO 33 DAYS
LAST RAM 286 DAYS
LAST SPILL 286 DAYS

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	9
Last BOP function test	05/26/2016	0	Days Since Last Drill	18
Last BOP Test	05/26/2016	0		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Ran 7" casing to 11841', induced flow, cemented 7" casing, pressure tested BOP

Update Since Report Time

Finish cleaning mud tanks, M/U BHA #6, TIH to 1624'

24 Hour Forecast

Finish R/U backyard, TIH, Displace, drill out shoe track, drill lateral

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Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	5.00	C09	CLR		11,857.00	0		Run 7" casing F/6752 - 11808' Run, 7 " 29 lb/ft P-110 CY T-Blue casing F/0 - 8667' Run, 7 " 29 lb/ft P-110 CY LTC casing F/8667 - 11841' Land at 11841.00 ft with 28.41' landing joint below DF Float collar 11748.02' Shoe 11841.00'
5:00	2.00	C09	RUD		11,857.00	0		R/U casing crew, test hanger seal integrity
7:00	3.00	C09	RUD		11,857.00	0		PJSM, R/U cement tools, Induce flow: Fill backside w/104 bbl fresh water, bullhead 104 bbl freshwater backside, bullhead 50 bbl active mud drillstring.
10:00	2.50	C09	CLC		11,857.00	0		Pump 30 bbls type of gel spacer mixed at 8.34 ppg pumped at 5 bpm. Shut down and test lines to 3230 psi. Lead Slurry: Pump 232 barrels of 11.8 ppg cement pumped at 5 bpm. Pumped slurry consisting of 510 sacks (2.559 yield) (40 % excess) of type of econocem + Additives: 0.25 lbm D-Air 5000 Pre-Mix Dry, 10% Bentonite Pre-Mix Dry, 8 lbm Salt Pre-Mix Dry, 0.05% SA-1015 Pre-Mix Dry Tail Cement: Pump 53 barrels of 14.5 ppg cement pumped at 5 bpm. Pumped tail slurry consisting of 240 sacks (1.23 yield) (20 % excess) 50/50 Poz Premium Additives: 0.3% CFR-3 Pre-Mix Dry, 0.0250% SA-1015 Pre-Mix dry, 0.5% LAP-1 Pre-Mix Dry, 0.5% LAP-1 Pre-Mix Dry, 0.5 lbm D-Air 5000, Pre-Mix Dry. Shut down and dropped top plug. Displacement Fluid: Start displacing with 427 barrels of 9.5 ppg at 8 bpm, Received no cement back to surface, bumped plug w/ 500 psi over and held for 5 minutes. Floats held, 2.5 bbls back after bleeding pressure and checking floats.
12:30	0.50	C09	PRE		11,857.00	0		Pressure test casing 2700 psi 30 min. After bleeding off, casing pressure increased to 124 psi. Casing valves closed while cement sets up.
13:00	2.00	C09	RUD		11,857.00	0		R/D cement tools, L/D landing joint w/running tool, washout above hanger
15:00	1.00	C09	PRE		11,857.00	0		Install bit guide bushing, test void 5k/10min, testseals 10k/10min
16:00	1.00	C09	RUD		11,857.00	0		Install combo running & testing tool
17:00	5.00	C09	BPT		11,857.00	0		R/U Frontier BOP testers and BOP test according to Shell testing procedures. Test all components to 250 psi low for 5 minutes and 10,000 psi high for 5 minutes, with exception to: Pumps and standpipe manifold- 250 low for 5 minutes, 7,500 psi high for 5 minutes Annular- 250 psi low and 3,500 psi high for 5 minutes
22:00	0.50	C09	RUD		11,857.00	0		Pull combo running & testing tool. R/D Frontier BOP testers.
22:30	0.50	C09	BPT		11,857.00	0		Perform Koomey test
23:00	1.00	C09	RUD		11,857.00	0		Cont. cleaning mud tanks, L/D test joint, install stabbing guides on top drive, bleed off 6 bbl pressure from 190 psi to 48 psi. Pressure built back up 183 psi.
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
11,681.80	35.15	353.48	11,610.84	36.43	750.12	-175.31	11.34	EPW MWD
11,771.80	43.26	344.91	11,680.58	92.08	739.12	-118.81	10.82	EPW MWD
11,771.80	43.26	344.91	11,680.57	92.19	739.30	-118.76	10.82	EPW MWD+SCC
11,800.80	47.40	344.76	11,700.96	112.09	733.91	-98.14	14.28	EPW MWD+SCC
11,826.80	50.20	343.00	11,718.25	130.53	728.02	-78.79	12.87	EPW MWD

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Wellbore UNIVERSITY 19 B 2304H

Fluid Details

Mud type	NaCl Brine	Oil/Water (%)	0.00/92.30	pH/Pm (cc)	8.50/0.25
MD (ft)	11,857.00	TS/HGS/LGS (%)	1.10//	Pf/Mf (cc)	0.10/0.20
Mud Density (ppg)	9.50	Sand (%)	0.10	Ca+ (ppm)	
Vis (s/qt)	28.00			Cl- (ppm)	115,000
PV/YP (cp/lbf/100ft²)	1.00/3.000	MBT (lbm/bbl)			
Gels 10 s/m (lbf/100ft²)	1.000/1.000	LCM (lbm/bbl)			
API/HTHP WL (cc/30min)	100.0/	ECD (ppg)	9.500	R600/300 (°)	
FC/HTHP FC (32nd")	1.0/	H2S (gas unit)		R200/100 (°)	
		KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Remarks

FUEL ON HAND 9015 GALLONS
FUEL USED 430 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 20 05/27/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	19.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	15.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	BRYAN BOYLES	Measured Depth(ft)	12,059.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,851.63
Other Supervisor	JUSTIN HENSON	24 Hr Progress(ft)	202.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	13.80
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	1,833,094/2,964,096.00	Formation top MD	
Actual divided by AFE	0.62	Daily NPT(hr/%)	0/0
Daily Cost	99,296	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	277	Safety Card - Unsafe	2
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO	287 DAYS
NO LTI	287 DAYS
LAST HIPO	34 DAYS
LAST RAM	287 DAYS
LAST SPILL	287 DAYS

Drills

Drill Category	Drill Type	Detection (sec)	Complete (sec)	Crew drilled	Pass / Fail	PIC	Comments
Well Control Crew	On-Bottom		120.00	Day	Pass	Bryan Boyles	

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	13
Last BOP function test	05/26/2016	1	Days Since Last Drill	19
Last BOP Test	05/26/2016	1		
Next BOP Test	06/16/2016			

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Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Operations Summary
24 Hour Summary
Finished R/U backyard, brought over SBM, TIH, displace hole to SBM while drilling out shoe track, built curve F/11857' - 12059'
Update Since Report Time
Drilling ahead @ 12232’
24 Hour Forecast
Drill production section

EP WELLS DAILY OPERATIONS REPORT

Report 20 05/27/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.50	C09	RUD		11,875.00	0		Cont. cleaning mud tanks, suction pots under mud pumps, pull valve manifold off trip tank, R/D transfer lines on mud tanks for WBM
1:30	1.50	D06	DRT		11,875.00	0		M/U BHA #6
3:00	1.00	D06	DRT		11,875.00	0		TIH to 1624'
4:00	3.00	D06	RUD		11,875.00	0		Spot cuttings bin for closed loop, R/U transfer lines for SBM and base fluid, inspect tanks, transfer SBM to mud tanks, fill slug pit with fresh water
7:00	0.50	D06	DRT		11,875.00	0		Pressure drop across 1.40 agitator = 240 psi with fresh water
7:30	3.00	D06	DRT		11,875.00	0		TIH to 10482' filling pipe with fresh water
10:30	0.50	D06	RUD		11,875.00	0		Install rotating head w/dual rubber
11:00	1.00	D06	DRT		11,875.00	0		TIH to 11656'
12:00	0.50	D06	DRT		11,875.00	0		Start displacing to SBM while washing through cement stringers F/11656' - 11748'
12:30	1.50	D06	DCM		11,875.00	0		Tag float collar at 11784' drill out to 11839', work through, observed hard cement, finish SBM displacement
14:00	0.50	D06	DCM		11,875.00	0		Drill through shoe 11839' - 11841', work through same, wash/ream down to new formation 11857'
14:30	1.00	D06	DRR		11,880.00	0		ROTARY DRILLING F/11,857' T/11,880', (23 FOOTAGE @ 23 FPH) WOB: 15 K RPM: SURFACE 25 MOTOR 192 BIT 217 PSI & FLOW: SPP 4550 GPM 300 TORQUE: ON BOTTOM 7.5 K OFF BOTTOM 4 K STRING WEIGHT: UP 200K DOWN 145K ROTATING 165K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: Gas: BG 170, CG N/A Flare: N/A
15:30	0.50	D06	MNR		11,880.00	0		Service rig, grease C-frame track, recalibrate hook load
16:00	2.00	D06	DRM		11,925.00	0		SLIDING F/11,880' T/11,925', (45 FOOTAGE @ 22 FPH) WOB: 25K RPM: SURFACE 0 MOTOR 192 BIT 192 PSI & FLOW: SPP 5880 GPM 300 DIFF 350 STRING WEIGHT: UP 200K DOWN 145K MW: 13.5 PPG MOTOR REVS/GAL: 0.64 Gas: BG 125, CG N/A Flare: N/A
18:00	1.00	D06	DRM		11,933.00	0		SLIDING F/11,925' T/11,933', (8 FOOTAGE @ 8 FPH) WOB: 20K RPM: SURFACE 0 MOTOR 170 BIT 170 PSI & FLOW: SPP 4700 GPM 265 DIFF 200 STRING WEIGHT: UP 200K DOWN 145K MW: 13.5 PPG MOTOR REVS/GAL: 0.64 Gas: BG 120, CG N/A Flare: N/A **Drilling on 1 mud pump, tighten up liners**
19:00	2.00	D06	DRM		11,970.00	0		SLIDING F/11,933' T/11,970', (37 FOOTAGE @ 19 FPH) WOB: 10K RPM: SURFACE 0 MOTOR 192 BIT 192 PSI & FLOW: SPP 5900 GPM 300 DIFF 300 STRING WEIGHT: UP 200K DOWN 145K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 130, CG N/A Flare: N/A
21:00	3.00	D06	DRM		12,059.00	0		SLIDING F/11,970' T/12,059', (89 FOOTAGE @ 30 FPH) WOB: 20K RPM: SURFACE 0 MOTOR 170 BIT 170 PSI & FLOW: SPP 4800 GPM 265 DIFF 420

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Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
								STRING WEIGHT: UP 205K DOWN 150K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 140, CG N/A Flare: N/A **Drilling on 1 mud pump,C/O liner gasket. Kept gpm lower for better TF control**
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
11,771.80	43.26	344.91	11,680.58	92.08	739.12	-118.81	10.82	EPW MWD
11,800.80	47.40	344.76	11,700.96	111.98	733.72	-98.20	14.28	EPW MWD
11,800.80	47.40	344.76	11,700.96	112.09	733.91	-98.14	14.28	EPW MWD+SCC
11,914.80	52.08	344.69	11,774.61	195.88	710.81	-11.24	4.11	EPW MWD
11,970.80	56.00	344.00	11,807.49	239.52	698.57	34.08	7.07	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	56.00/16.00	POM (cc)	
MD (ft)	11,857.00	TS/HGS/LGS (%)	26.00//	CaCl2 (%)	
Mud Density (ppg)	13.80	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	87.00	Oil/Water Ratio (%)	77.80/22.20	ACT	
PV/YP (cp/lbf/100ft²)	25.00/9.000			XS Lime(lbm/bbl)	0.78
Gels 10 s/m (lbf/100ft²)	7.000/12.000	LCM (lbm/bbl)		ES (Volts)	615.0
API/HTHP WL (cc/30min)	0.0/	ECD (ppg)	14.570	R600/300 (°)	
FC/HTHP FC (32nd")	0.0/8.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	277,131	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
5	6.125	HALLIBURTON	MM64D			12505377	6x16	11,857.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
11,880.00	15.0/15.0	25	300.0	4,550.00	82.42	1.81	14.42	1.00	23.00	23.0	1.00	23.00	23.0
11,925.00	25.0/25.0	0	300.0	5,880.00	82.42	1.40	14.42	2.00	45.00	22.5	3.00	68.00	22.7
11,933.00	20.0/20.0	0	265.0	4,700.00	64.31	1.37	9.94	1.00	8.00	8.0	4.00	76.00	19.0
11,970.00	10.0/10.0	0	300.0	5,900.00	82.42	1.40	14.42	2.00	37.00	18.5	6.00	113.00	18.8
12,059.00	20.0/20.0	0	265.0	4,800.00	64.31	1.34	9.94	3.00	89.00	29.7	9.00	202.00	22.4

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	331	10,410.93	4.000		3.340	XTM-39			RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF			NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF			DR20581

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Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF			NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF			NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF			NESMS475665
CLAW 5" MUD MOTOR FBH SET @ 1.75	1	27.81	5.000			3 1/2 IF			C2-127034
BIT #5 RUN #1 6.125" SECURITY MM64D	1	0.77	6.125	6.125		3 1/2 REG			12505377

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/27/2016 03:00				6	121.41		DRILL 6.125" PRODUCTION SECTION
MD (ft)	**SW Up (kip)**	**SW Down (kip)**	**SW Rotn (kip)**	**Drag (kip)**	**Tq On Btm (ft-lbf)**	**Tq Off Btm (ft-lbf)**	**Footage (ft)**
11,880.00	200.0	145.00	165.00	35.00	7,500.0	4,000.0	23.00
11,925.00	200.0	145.00	0.00	200.00	0.0	0.0	45.00
11,933.00	200.0	145.00	0.00	200.00	0.0	0.0	8.00
11,970.00	200.0	145.00	0.00	200.00	0.0	0.0	37.00
12,059.00	205.0	150.00	0.00	205.00	0.0	0.0	89.00

Remarks

FUEL ON HAND 15400 GALLONS
FUEL USED 1114 GALLONS
FUEL RECIEVED 7499 GALLONS

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Report 21 05/28/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	20.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	16.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	BRYAN BOYLES	Measured Depth(ft)	13,146.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,906.06
Other Supervisor	JUSTIN HENSON	24 Hr Progress(ft)	1,087.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	13.40
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	1,943,886/2,964,096.00	Formation top MD	
Actual divided by AFE	0.66	Daily NPT(hr/%)	0/0
Daily Cost	78,110	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	6
FAC			**GOAL ZERO DAYS**	08/24/2015	278	Safety Card - Unsafe	4
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 288 DAYS
NO LTI 288 DAYS
LAST HIPO 35 DAYS
LAST RAM 288 DAYS
LAST SPILL 288 DAYS

Weekend awareness Memorial Day reviewed fit for duty policy. Discussed common causes of accidents: hand/finger placement, work around 5' of rotary table, SSE's, slip/trips/falls. Discussed communication in the workplace and barriers related to effective communication, how to develop a transparent culture. Held short safety meetings every 2 hours on the rig floor to conduct step back 5x5 sessions.
Held PAUSE to review primary well control: indicators, causes, methods of control, pressure relationships, gas in solution, mud SAG, barriers, and safe working pressure.

Drills

Drill Category	Drill Type	Detection (sec)	Complete (sec)	Crew drilled	Pass / Fail	PIC	Comments
Well Control Crew	On-Bottom			Night	Pass	JUSTIN HENSON	Reviewed primary well

EP WELLS DAILY OPERATIONS REPORT

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Wellbore UNIVERSITY 19 B 2304H

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	12
Last BOP function test	05/26/2016	2	Days Since Last Drill	0
Last BOP Test	05/26/2016	2		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary
Drill F/12059' - 13146'
Update Since Report Time
Drilling ahead 13413'
24 Hour Forecast
Continue drilling lateral to TD

EP WELLS DAILY OPERATIONS REPORT

Report 21 05/28/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.00	D06	DRM		12,110.00	0		SLIDING F/12,059' T/12,110', (51 FOOTAGE @ 51 FPH) WOB: 15K RPM: SURFACE 0 MOTOR 170 BIT 170 PSI & FLOW: SPP 4900 GPM 265 DIFF 475 STRING WEIGHT: UP 205K DOWN 145K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 140, CG N/A Flare: N/A
1:00	1.00	D06	DRR		12,149.00	0		ROTARY DRILLING F/12,110' T/12,149', (39 FOOTAGE @ 39 FPH) WOB: 18 K RPM: SURFACE 40 MOTOR 170 BIT 210 PSI & FLOW: SPP 5000 GPM 265 TORQUE: ON BOTTOM 7.5 K OFF BOTTOM 5 K STRING WEIGHT: UP 205K DOWN 145K ROTATING 165K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 140, CG N/A Flare: N/A
2:00	2.00	D06	DRM		12,199.00	0		SLIDING F/12,149' T/12,199', (50 FOOTAGE @ 25 FPH) WOB: 25K RPM: SURFACE 0 MOTOR 170 BIT 170 PSI & FLOW: SPP 5000 GPM 265 DIFF 450 STRING WEIGHT: UP 205K DOWN 145K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 115, CG N/A Flare: N/A
4:00	1.00	D06	DRR		12,239.00	0		ROTARY DRILLING F/12,199' T/12,239', (40 FOOTAGE @ 40 FPH) WOB: 25 K RPM: SURFACE 40 MOTOR 192 BIT 210 PSI & FLOW: SPP 6000 GPM 300 TORQUE: ON BOTTOM 8 K OFF BOTTOM 5 K STRING WEIGHT: UP 210K DOWN 140K ROTATING 165K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 110, CG 66 Flare: N/A
5:00	0.50	D06	MNR		12,239.00	0		Service rig, inspect all clamps on stand pipe
5:30	1.50	D06	DRR		12,329.00	0		ROTARY DRILLING F/12,239' T/12,329', (90 FOOTAGE @ 60 FPH) WOB: 25 K RPM: SURFACE 40 MOTOR 192 BIT 210 PSI & FLOW: SPP 6000 GPM 300 TORQUE: ON BOTTOM 8 K OFF BOTTOM 4 K STRING WEIGHT: UP 210K DOWN 140K ROTATING 165K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 180, CG 122 Flare: N/A
7:00	4.50	D06	DRM		12,418.00	0		SLIDING F/12,329' T/12,418', (89 FOOTAGE @ 20 FPH) WOB: 25K RPM: SURFACE 0 MOTOR 170 BIT 170 PSI & FLOW: SPP 5000 GPM 265 DIFF 400 STRING WEIGHT: UP 210K DOWN 135K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 100, CG 79 Flare: N/A
11:30	2.00	D06	DRR		12,564.00	0		ROTARY DRILLING F/12,418' T/12,564', (146 FOOTAGE @ 73 FPH) WOB: 25 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 5900 GPM 300 TORQUE: ON BOTTOM 9 K OFF BOTTOM 5 K STRING WEIGHT: UP 210K DOWN 135K ROTATING 165K MW: 13.4 PPG

EP WELLS DAILY OPERATIONS REPORT

Report 21 05/28/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
								MOTOR REVS/GAL: 0.64 Gas: BG 880, CG 283 Flare: N/A
13:30	1.00	D06	DRM		12,585.00	0		SLIDING F/12,564' T/12,585', (21 FOOTAGE @ 21 FPH) WOB: 15K RPM: SURFACE 0 MOTOR 166 BIT 166 PSI & FLOW: SPP 4700 GPM 260 DIFF 350 STRING WEIGHT: UP 205K DOWN 135K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 500, CG 283 Flare: N/A
14:30	1.50	D06	DRR		12,687.00	0		ROTARY DRILLING F/12,585' T/12,687', (146 FOOTAGE @ 73 FPH) WOB: 25 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 5900 GPM 300 TORQUE: ON BOTTOM 9 K OFF BOTTOM 5 K STRING WEIGHT: UP 215K DOWN 125K ROTATING 170K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 600, CG 223 Flare: N/A
16:00	0.50	D06	MNR		12,687.00	0		Service rig, DROPS inspection zone #1, grease RLA
16:30	5.50	D06	DRR		13,060.00	0		ROTARY DRILLING F/12,687' T/13,060', (373 FOOTAGE @ 68 FPH) WOB: 25 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6000 GPM 300 TORQUE: ON BOTTOM 10 K OFF BOTTOM 7 K STRING WEIGHT: UP 215K DOWN 125K ROTATING 170K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 600, CG 223 Flare: N/A
22:00	1.00	D06	DRM		13,080.00	0		SLIDING F/13,060' T/13,080', (20 FOOTAGE @ 20 FPH) WOB: 28K RPM: SURFACE 0 MOTOR 192 BIT 192 PSI & FLOW: SPP 4700 GPM 300 DIFF 300 STRING WEIGHT: UP 215K DOWN 125K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 700, CG 290 Flare: N/A
23:00	1.00	D06	DRR		13,146.00	0		ROTARY DRILLING F/13,080' T/13,146', (66 FOOTAGE @ 66 FPH) WOB: 25 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6000 GPM 300 TORQUE: ON BOTTOM 10 K OFF BOTTOM 7 K STRING WEIGHT: UP 215K DOWN 125K ROTATING 170K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 700, CG 320 Flare: N/A
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
12,631.80	91.37	340.71	11,924.58	848.65	495.98	675.58	3.65	EPW MWD
12,720.80	90.36	339.52	11,923.24	932.33	465.71	764.39	1.75	EPW MWD
12,810.80	91.12	339.12	11,922.08	1,016.52	433.93	854.12	0.95	EPW MWD
12,989.80	94.63	340.62	11,913.10	1,184.35	372.41	1,032.46	2.13	EPW MWD

EP WELLS DAILY OPERATIONS REPORT

Report 21 05/28/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
13,079.80	91.76	342.03	11,908.09	1,269.46	343.65	1,122.23	3.55	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	57.00/16.00	POM (cc)	
MD (ft)	12,400.00	TS/HGS/LGS (%)	25.00//	CaCl2 (%)	
Mud Density (ppg)	13.40	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	74.00	Oil/Water Ratio (%)	78.10/21.90	ACT	
PV/YP (cp/lbf/100ft²)	25.00/9.000			XS Lime(lbm/bbl)	3.24
Gels 10 s/m (lbf/100ft²)	9.000/12.000	LCM (lbm/bbl)		ES (Volts)	650.0
API/HTHP WL (cc/30min)	0.0/	ECD (ppg)	14.780	R600/300 (°)	
FC/HTHP FC (32nd")	0.0/8.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	284,841	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
5	6.125	HALLIBURTON	MM64D			12505377	6x16	11,857.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
12,110.00	15.0/15.0	0	265.0	4,900.00	62.44	1.27	9.65	1.00	51.00	51.0	10.00	253.00	25.3
12,149.00	18.0/18.0	40	265.0	5,000.00	62.44	1.25	9.65	1.00	39.00	39.0	11.00	292.00	26.5
12,199.00	25.0/25.0	0	265.0	5,000.00	62.44	1.25	9.65	2.00	50.00	25.0	13.00	342.00	26.3
12,239.00	25.0/25.0	40	300.0	6,000.00	80.03	1.33	14.00	1.00	40.00	40.0	14.00	382.00	27.3
12,329.00	25.0/25.0	40	300.0	6,000.00	80.03	1.33	14.00	1.50	90.00	60.0	15.50	472.00	30.5
12,418.00	25.0/25.0	0	265.0	5,000.00	62.44	1.25	9.65	4.50	89.00	19.8	20.00	561.00	28.0
12,564.00	25.0/25.0	65	300.0	5,900.00	80.03	1.36	14.00	2.00	146.00	73.0	22.00	707.00	32.1
12,585.00	15.0/15.0	0	260.0	4,700.00	60.11	1.28	9.12	1.00	21.00	21.0	23.00	728.00	31.7
12,687.00	25.0/25.0	65	300.0	5,900.00	80.03	1.36	14.00	1.50	102.00	68.0	24.50	830.00	33.9
13,060.00	25.0/25.0	65	300.0	6,000.00	80.03	1.33	14.00	5.50	373.00	67.8	30.00	1,203.00	40.1
13,080.00	28.0/28.0	0	300.0	4,700.00	80.03	1.70	14.00	1.00	20.00	20.0	31.00	1,223.00	39.5
13,146.00	25.0/25.0	65	300.0	6,000.00	80.03	1.33	14.00	1.00	66.00	66.0	32.00	1,289.00	40.3

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	366	11,497.93	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
CLAW 5" MUD MOTOR FBH SET @ 1.75	1	27.81	5.000			3 1/2 IF			C2-127034
BIT #5 RUN #1 6.125" SECURITY MM64D	1	0.77	6.125	6.125		3 1/2 REG			12505377

EP WELLS DAILY OPERATIONS REPORT

Report 21 05/28/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/27/2016 03:00				6	121.41		DRILL 6.125" PRODUCTION SECTION
MD (ft)	SW Up (kip)	SW Down (kip)	SW Rotn (kip)	Drag (kip)	Tq On Btm (ft-lbf)	Tq Off Btm (ft-lbf)	Footage (ft)
12,110.00	205.0	145.00	0.00	205.00	0.0	0.0	51.00
12,149.00	205.0	145.00	165.00	40.00	7,500.0	5,000.0	39.00
12,199.00	205.0	145.00	0.00	205.00	0.0	0.0	50.00
12,239.00	210.0	140.00	165.00	45.00	8,000.0	5,000.0	40.00
12,329.00	210.0	140.00	165.00	45.00	8,000.0	4,000.0	90.00
12,418.00	210.0	135.00	0.00	210.00	0.0	0.0	89.00
12,564.00	210.0	135.00	165.00	45.00	9,000.0	5,000.0	146.00
12,585.00	205.0	135.00	0.00	205.00	0.0	0.0	21.00
12,687.00	215.0	125.00	170.00	45.00	9,000.0	5,000.0	102.00
13,060.00	215.0	125.00	170.00	45.00	10,000.0	7,000.0	373.00
13,080.00	215.0	125.00	0.00	215.00	0.0	0.0	20.00
13,146.00	215.0	125.00	170.00	45.00	10,000.0	7,000.0	66.00

Remarks

FUEL ON HAND 13251 GALLONS
FUEL USED 2149 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 22 05/29/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	21.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	17.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	BRYAN BOYLES	Measured Depth(ft)	14,482.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,929.51
Other Supervisor	JUSTIN HENSON	24 Hr Progress(ft)	1,336.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	13.40
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,003,254/2,964,096.00	Formation top MD	
Actual divided by AFE	0.68	Daily NPT(hr/%)	0/0
Daily Cost	59,368	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	279	Safety Card - Unsafe	2
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 289 DAYS
NO LTI 289 DAYS
LAST HIPO 36 DAYS
LAST RAM 289 DAYS
LAST SPILL 289 DAYS

RSMT: After action review of intermediate section flat time, focused on how to alleviate solids build up in mud tanks while drilling surface and intermediate sections in an effort to limit time needed to clean mud tanks.

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	10
Last BOP function test	05/26/2016	3	Days Since Last Drill	1
Last BOP Test	05/26/2016	3		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Drilled F/13146' - 14482'

Update Since Report Time

Drilling ahead 14655'

EP WELLS DAILY OPERATIONS REPORT

Report 22 05/29/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

24 Hour Forecast
Continue drilling lateral to TD

EP WELLS DAILY OPERATIONS REPORT

Report 22 05/29/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	3.50	D06	DRR		13,405.00	0		ROTARY DRILLING F/13,146' T/13,405', (259 FOOTAGE @ 74 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6200 GPM 300 TORQUE: ON BOTTOM 10 K OFF BOTTOM 7 K STRING WEIGHT: UP 215K DOWN 145K ROTATING 170K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 850, CG 700 Flare: N/A
3:30	0.50	D06	MNR		13,405.00	0		Service rig
4:00	8.00	D06	DRR		13,958.00	0		ROTARY DRILLING F/13,405' T/13,958', (553 FOOTAGE @ 69 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6300 GPM 300 TORQUE: ON BOTTOM 11 K OFF BOTTOM 7 K STRING WEIGHT: UP 215K DOWN 140K ROTATING 170K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 1800, CG 175 Flare: 2'
12:00	1.50	D06	DRM		13,982.00	0		SLIDING F/13,958' T/13,982', (24 FOOTAGE @ 16 FPH) WOB: 28K RPM: SURFACE 0 MOTOR 166 BIT 166 PSI & FLOW: SPP 4650 GPM 260 DIFF 300 STRING WEIGHT: UP 215K DOWN 140K MW: 13.4 PPG MOTOR REVS/GAL: 0.64 Gas: BG 1050, CG 399 Flare: 2'
13:30	5.00	D06	DRR		14,225.00	0		ROTARY DRILLING F/13,982' T/14,225', (243 FOOTAGE @ 49 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6100 GPM 300 TORQUE: ON BOTTOM 12 K OFF BOTTOM 7 K STRING WEIGHT: UP 215K DOWN 140K ROTATING 170K MW: 13.5 PPG *weight up* MOTOR REVS/GAL: 0.64 Gas: BG 2800, CG 2068 Flare: 5'
18:30	2.00	D06	DRM		14,264.00	0		SLIDING F/14,225' T/14,264', (39 FOOTAGE @ 20 FPH) WOB: 24K RPM: SURFACE 0 MOTOR 192 BIT 192 PSI & FLOW: SPP 5900 GPM 300 DIFF 270 STRING WEIGHT: UP 215K DOWN 140K MW: 13.7 PPG *weight up* MOTOR REVS/GAL: 0.64 Gas: BG 2900, CG 800 Flare: 2'
20:30	2.00	D06	DRR		14,392.00	0		ROTARY DRILLING F/14,264' T/14,392', (128 FOOTAGE @ 64 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6300 GPM 300 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 215K DOWN 140K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 1800, CG 600 Flare: 3'
22:30	0.50	D06	MNR		14,392.00	0		Service rig

EP WELLS DAILY OPERATIONS REPORT

Report 22 05/29/2016

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Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
23:00	1.00	D06	DRR		14,482.00	0		ROTARY DRILLING F/14,392' T/14,482', (90 FOOTAGE @ 90 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6450 GPM 300 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 215K DOWN 140K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 1800, CG 900 Flare: 3'
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
14,067.80	87.54	340.00	11,913.81	2,208.50	39.59	2,108.85	0.34	EPW MWD
14,156.80	86.44	339.56	11,918.49	2,291.90	8.88	2,197.51	1.33	EPW MWD
14,246.80	87.79	340.32	11,923.02	2,376.33	-21.95	2,287.20	1.72	EPW MWD
14,336.80	89.52	340.31	11,925.13	2,461.04	-52.26	2,377.01	1.92	EPW MWD
14,426.80	87.93	340.48	11,927.13	2,545.80	-82.45	2,466.84	1.78	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	57.00/16.00	POM (cc)	
MD (ft)	13,944.00	TS/HGS/LGS (%)	25.00//	CaCl2 (%)	
Mud Density (ppg)	13.40	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	67.00	Oil/Water Ratio (%)	78.10/21.90	ACT	
PV/YP (cp/lbf/100ft²)	25.00/11.000			XS Lime(lbm/bbl)	3.37
Gels 10 s/m (lbf/100ft²)	10.000/13.000	LCM (lbm/bbl)		ES (Volts)	575.0
API/HTHP WL (cc/30min)	0.0/	ECD (ppg)	14.690	R600/300 (°)	
FC/HTHP FC (32nd")	0.0/6.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	288,517	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
5	6.125	HALLIBURTON	MM64D			12505377	6x16	11,857.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
13,405.00	30.0/30.0	65	300.0	6,200.00	80.03	1.29	14.00	3.50	259.00	74.0	35.50	1,548.00	43.6
13,958.00	30.0/30.0	65	300.0	6,300.00	80.03	1.27	14.00	8.00	553.00	69.1	43.50	2,101.00	48.3
13,982.00	28.0/28.0	0	260.0	4,650.00	60.11	1.29	9.12	1.50	24.00	16.0	45.00	2,125.00	47.2
14,225.00	30.0/30.0	65	300.0	6,100.00	80.62	1.32	14.11	5.00	243.00	48.6	50.00	2,368.00	47.4
14,264.00	24.0/24.0	0	300.0	5,900.00	81.82	1.39	14.32	2.00	39.00	19.5	52.00	2,407.00	46.3
14,392.00	30.0/30.0	65	300.0	6,300.00	81.82	1.30	14.32	2.00	128.00	64.0	54.00	2,535.00	46.9
14,482.00	30.0/30.0	65	300.0	6,450.00	81.82	1.27	14.32	1.00	90.00	90.0	55.00	2,625.00	47.7

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	408	12,833.93	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531

EP WELLS DAILY OPERATIONS REPORT

Report 22 05/29/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
CLAW 5" MUD MOTOR FBH SET @ 1.75	1	27.81	5.000			3 1/2 IF			C2-127034
BIT #5 RUN #1 6.125" SECURITY MM64D	1	0.77	6.125	6.125		3 1/2 REG			12505377

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/27/2016 03:00				6	121.41		DRILL 6.125" PRODUCTION SECTION
MD (ft)	**SW Up (kip)**	**SW Down (kip)**	**SW Rotn (kip)**	**Drag (kip)**	**Tq On Btm (ft-lbf)**	**Tq Off Btm (ft-lbf)**	**Footage (ft)**
13,405.00	215.0	145.00	170.00	45.00	10,000.0	7,000.0	259.00
13,958.00	215.0	140.00	170.00	45.00	11,000.0	7,000.0	553.00
13,982.00	215.0	140.00	0.00	215.00	0.0	0.0	24.00
14,225.00	215.0	140.00	170.00	45.00	12,000.0	7,000.0	243.00
14,264.00	215.0	140.00	0.00	215.00	0.0	0.0	39.00
14,392.00	215.0	140.00	170.00	45.00	12,000.0	8,000.0	128.00
14,482.00	215.0	140.00	170.00	45.00	12,000.0	8,000.0	90.00

Remarks

FUEL ON HAND 11160 GALLONS
FUEL USED 2091 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 23 05/30/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	22.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	18.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	BRYAN BOYLES / ARMANDO RAMIREZ	Measured Depth(ft)	15,481.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,939.19
Other Supervisor	JUSTIN HENSON	24 Hr Progress(ft)	999.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	13.70
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,044,187/2,964,096.00	Formation top MD	
Actual divided by AFE	0.69	Daily NPT(hr/%)	0/0
Daily Cost	50,366	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	280	Safety Card - Unsafe	2
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 290 DAYS
NO LTI 290 DAYS
LAST HIPO 37 DAYS
LAST RAM 290 DAYS
LAST SPILL 290 DAYS

Reviewed Permian incidents over the last 7 days. Reviewed focus areas for this week: heat exhaustion, spotters, tag-lines, travel risk, snakes/bees/spiders, focus on task at hand, and zone management. Reviewed LFI awareness alert DROPS: Casing elevator snagged Kelly hose.

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	13
Last BOP function test	05/26/2016	4	Days Since Last Drill	2
Last BOP Test	05/26/2016	4		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Drilled F14482' - 15481'

Update Since Report Time

EP WELLS DAILY OPERATIONS REPORT

Report 23 05/30/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drilling ahead 15699'

24 Hour Forecast

Continue drilling lateral to TD

EP WELLS DAILY OPERATIONS REPORT

Report 23 05/30/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	3.00	D06	DRR		14,621.00	0		ROTARY DRILLING F/14,482' T/14,621', (139 FOOTAGE @ 46 FPH) WOB: 32 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6350 GPM 300 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 210K DOWN 140K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 1900, CG 490 Flare: 2'
3:00	2.00	D06	DRM		14,641.00	0		SLIDING F/14,621' T/14,641', (20 FOOTAGE @ 10 FPH) WOB: 16K RPM: SURFACE 0 MOTOR 183 BIT 183 PSI & FLOW: SPP 5650 GPM 285 DIFF 300 STRING WEIGHT: UP 215K DOWN 140K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 2200, CG 490 Flare: 2'
5:00	0.50	D06	DRR		14,661.00	0		ROTARY DRILLING F/14,641' T/14,661', (20 FOOTAGE @ 20 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6350 GPM 300 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 210K DOWN 140K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 1950, CG 490 Flare: 2'
5:30	0.50	D06	MNR		14,661.00	0		Service rig
6:00	3.50	D06	DRR		14,853.00	0		ROTARY DRILLING F/14,661' T/14,853', (192 FOOTAGE @ 55 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 192 BIT 257 PSI & FLOW: SPP 6450 GPM 300 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 210K DOWN 140K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 2100, CG 800 Flare: 2'
9:30	1.00	D06	DRM		14,883.00	0		SLIDING F/14,853' T/14,883', (30 FOOTAGE @ 30 FPH) WOB: 24K RPM: SURFACE 0 MOTOR 183 BIT 183 PSI & FLOW: SPP 5700 GPM 285 DIFF 250 STRING WEIGHT: UP 220K DOWN 130K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 2300, CG 390 Flare: 2'
10:30	5.50	D06	DRR		15,110.00	0		ROTARY DRILLING F/14,883' T/15,110', (227 FOOTAGE @ 41 FPH) WOB: 32 K RPM: SURFACE 65 MOTOR 186 BIT 251 PSI & FLOW: SPP 6120 GPM 290 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 230K DOWN 115K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 2100, CG 1100 Flare: 2'
16:00	0.50	D06	MNR		15,110.00	0		Service rig
16:30	7.50	D06	DRR		15,481.00	0		ROTARY DRILLING F/15,110' T/15,481', (371 FOOTAGE @ 50 FPH) WOB: 33 K RPM: SURFACE 65 MOTOR 186 BIT 251

EP WELLS DAILY OPERATIONS REPORT

Report 23 05/30/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
								PSI & FLOW: SPP 6150 GPM 290 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 230K DOWN 115K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 2200, CG 800 Flare: 2'
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
14,964.80	91.57	345.31	11,939.54	3,053.56	-257.42	3,003.29	1.78	EPW MWD
15,054.80	91.15	344.94	11,937.41	3,140.52	-280.52	3,093.24	0.62	EPW MWD
15,233.80	88.74	343.09	11,937.58	3,312.58	-329.81	3,272.21	1.70	EPW MWD
15,323.80	89.86	343.70	11,938.68	3,398.82	-355.52	3,362.20	1.42	EPW MWD
15,413.80	89.86	342.44	11,938.90	3,484.92	-381.73	3,452.19	1.40	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	56.00/16.00	POM (cc)	
MD (ft)	14,869.00	TS/HGS/LGS (%)	26.00//	CaCl2 (%)	
Mud Density (ppg)	13.70	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	69.00	Oil/Water Ratio (%)	77.80/22.20	ACT	
PV/YP (cp/lbf/100ft²)	27.00/12.000			XS Lime(lbm/bbl)	3.24
Gels 10 s/m (lbf/100ft²)	10.000/14.000	LCM (lbm/bbl)		ES (Volts)	650.0
API/HTHP WL (cc/30min)	0.0/	ECD (ppg)	15.500	R600/300 (°)	
FC/HTHP FC (32nd")	0.0/8.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	287,098	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
5	6.125	HALLIBURTON	MM64D			12505377	6x16	11,857.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
14,621.00	32.0/32.0	65	300.0	6,350.00	81.82	1.29	14.32	3.00	139.00	46.3	58.00	2,764.00	47.7
14,641.00	16.0/16.0	0	285.0	5,650.00	73.84	1.31	12.28	2.00	20.00	10.0	60.00	2,784.00	46.4
14,661.00	30.0/30.0	65	300.0	6,350.00	81.82	1.29	14.32	0.50	20.00	40.0	60.50	2,804.00	46.3
14,853.00	30.0/30.0	65	300.0	6,450.00	81.82	1.27	14.32	3.50	192.00	54.9	64.00	2,996.00	46.8
14,883.00	24.0/24.0	0	285.0	5,700.00	73.84	1.30	12.28	1.00	30.00	30.0	65.00	3,026.00	46.6
15,110.00	32.0/32.0	65	290.0	6,120.00	76.45	1.25	12.93	5.50	227.00	41.3	70.50	3,253.00	46.1
15,481.00	33.0/33.0	65	290.0	6,150.00	76.45	1.24	12.93	7.50	371.00	49.5	78.00	3,624.00	46.5

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	440	13,832.93	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241

EP WELLS DAILY OPERATIONS REPORT

Report 23 05/30/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
CLAW 5" MUD MOTOR FBH SET @ 1.75	1	27.81	5.000			3 1/2 IF			C2-127034
BIT #5 RUN #1 6.125" SECURITY MM64D	1	0.77	6.125	6.125		3 1/2 REG			12505377

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/27/2016 03:00				6	121.41		DRILL 6.125" PRODUCTION SECTION
MD (ft)	**SW Up (kip)**	**SW Down (kip)**	**SW Rotn (kip)**	**Drag (kip)**	**Tq On Btm (ft-lbf)**	**Tq Off Btm (ft-lbf)**	**Footage (ft)**
14,621.00	210.0	140.00	170.00	40.00	12,000.0	8,000.0	139.00
14,641.00	215.0	140.00	0.00	215.00	0.0	0.0	20.00
14,661.00	210.0	140.00	170.00	40.00	12,000.0	8,000.0	20.00
14,853.00	210.0	140.00	170.00	40.00	12,000.0	8,000.0	192.00
14,883.00	220.0	130.00	0.00	220.00	0.0	0.0	30.00
15,110.00	230.0	115.00	170.00	60.00	12,000.0	8,000.0	227.00
15,481.00	230.0	115.00	170.00	60.00	12,000.0	8,000.0	371.00

Remarks

FUEL ON HAND 9015 GALLONS
FUEL USED 2145 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 24 05/31/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	23.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	19.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ARMANDO RAMIREZ	Measured Depth(ft)	15,748.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,942.18
Other Supervisor	JUSTIN HENSON	24 Hr Progress(ft)	267.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	13.85
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,189,919/2,964,096.00	Formation top MD	
Actual divided by AFE	0.74	Daily NPT(hr/%)	0.50/2.08
Daily Cost	57,755	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	281	Safety Card - Unsafe	2
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 291 DAYS
NO LTI 291 DAYS
LAST HIPO 37 DAYS ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM 291 DAYS
LAST SPILL 291 DAYS

Discussed well control for tripping, mud weight, trip speed, P&ID for force fill valve alignment, barrier ownership - checking drill string floats for BHA

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	14
Last BOP function test	05/26/2016	5	Days Since Last Drill	3
Last BOP Test	05/26/2016	5		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Drilled F/15481' - 15748', TOOH for ROP, spot 150 weighted pill, L/D BHA #6, Bit grade: 7-2-CR-C-X-IN-PN-PR, M/U BHA #7, wait on weather, TIH to 2500'

Update Since Report Time

EP WELLS DAILY OPERATIONS REPORT

Report 24 05/31/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

TIH to 9600', slip and cut, function test BOP, circulated out 60 bbl pill, TIH

24 Hour Forecast

TIH to bottom, circulate up remaining pill, continue drilling lateral to TD

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	5.50	D06	DRR		15,717.00	0		ROTARY DRILLING F/15,481' T/15,717', (236 FOOTAGE @ 43 FPH) WOB: 33 K RPM: SURFACE 65 MOTOR 186 BIT 251 PSI & FLOW: SPP 6150 GPM 290 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 230K DOWN 115K ROTATING 170K MW: 13.7 PPG MOTOR REVS/GAL: 0.64 Gas: BG 2200, CG 970 Flare: 2'
5:30	0.50	D06	MNR		15,717.00	0		Service rig
6:00	1.00	D06	DRR		15,748.00	0		ROTARY DRILLING F/15,717' T/15,748', (31 FOOTAGE @ 31 FPH) WOB: 33 K RPM: SURFACE 65 MOTOR 186 BIT 251 PSI & FLOW: SPP 6150 GPM 290 TORQUE: ON BOTTOM 12 K OFF BOTTOM 8 K STRING WEIGHT: UP 230K DOWN 115K ROTATING 170K MW: 13.8 PPG MOTOR REVS/GAL: 0.64 Gas: BG 2100, CG 1050 Flare: 2'
7:00	2.00	D06	PCD		15,748.00	0		Pump sweep, circulate hole clean, pump slug
9:00	1.50	D06	DRT		15,748.00	0		TOOH F/15748' - 11900' Force fill with 13.8 ppg active mud
10:30	1.50	D06	PCD		15,748.00	0		Circulate B/U, spot 150 bbl 18.0 ppg pill for 15.2 ppg EMW
12:00	2.00	D06	DRT		15,748.00	0		TOOH F/11900' - 7860' on trip tank
14:00	1.00	D06	PCD		15,748.00	0		Circulate B/U, flow check, pump slug
15:00	2.00	D06	DRT		15,748.00	0		TOOH F/7860' - 1684' on trip tank
17:00	0.50	D06	RUD		15,748.00	0		Pull rotating head, monitor well on trip tank
17:30	0.50	D06	DRT		15,748.00	0		TOOH F/1684' - 850' on trip tank
18:00	1.00	D06	DRT		15,748.00	0		Crew change, clean rig floor, TOOH F/850' - 100' on trip tank
19:00	1.50	D06	DRT		15,748.00	0		PJSM, L/D BHA #6 Bit grade: 7-2-CR-C-X-IN-PN-PR
20:30	0.50	D06	DRT		15,748.00	0		M/U BHA #7
21:00	0.50	D06	SAF		15,748.00	1		NPT-Shut down for adverse weather lightning, monitor well on trip tank
21:30	0.50	D06	MNR		15,748.00	0		Service rig
22:00	1.00	D06	DRT		15,748.00	0		TIH to 1650', pressure drop across agitator 520 psi w/13.8 ppg mud
23:00	1.00	D06	DRT		15,748.00	0		TIH F/1650' to 2500' on trip tank
Total	**24.00**							

EP WELLS DAILY OPERATIONS REPORT

Report 24 05/31/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
05/31/2016 21:00	SHELL	Wait On Weather	15,748.00	SAF	N		0.50	0.50		OPEN
Description: Shut down for adverse weather lightning, monitor well on trip tank						**Title:** WAIT ON WEATHER				
						Total	**0.50**	**0.50**		

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
15,233.80	88.74	343.09	11,937.58	3,312.58	-329.81	3,272.21	1.70	EPW MWD
15,323.80	89.86	343.70	11,938.68	3,398.82	-355.52	3,362.20	1.42	EPW MWD
15,413.80	89.86	342.44	11,938.90	3,484.92	-381.73	3,452.19	1.40	EPW MWD
15,592.80	89.27	342.90	11,940.26	3,655.79	-435.05	3,631.16	0.42	EPW MWD
15,682.80	89.30	343.10	11,941.38	3,741.85	-461.36	3,721.14	0.22	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	56.00/16.00	POM (cc)	
MD (ft)	15,747.00	TS/HGS/LGS (%)	26.00//	CaCl2 (%)	
Mud Density (ppg)	13.85	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	70.00	Oil/Water Ratio (%)	77.80/22.20	ACT	
PV/YP (cp/lbf/100ft²)	26.00/13.000			XS Lime(lbm/bbl)	2.98
Gels 10 s/m (lbf/100ft²)	10.000/14.000	LCM (lbm/bbl)		ES (Volts)	625.0
API/HTHP WL (cc/30min)	0.0/	ECD (ppg)	13.850	R600/300 (°)	
FC/HTHP FC (32nd")	0.0/8.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	287,098	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
5	6.125	HALLIBURTON	MM64D			12505377	6x16	11,857.00	15,748.00	7-2-CR-C-X-I-PN-PR

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
15,717.00	33.0/33.0	65	290.0	6,150.00	76.45	1.24	12.93	5.50	236.00	42.9	83.50	3,860.00	46.2
15,748.00	33.0/33.0	65	290.0	6,150.00	76.45	1.24	12.93	1.00	31.00	31.0	84.50	3,891.00	46.0

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	448	14,099.93	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665

EP WELLS DAILY OPERATIONS REPORT

Report 24 05/31/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
CLAW 5" MUD MOTOR FBH SET @ 1.75	1	27.81	5.000			3 1/2 IF			C2-127034
BIT #5 RUN #1 6.125" SECURITY MM64D	1	0.77	6.125	6.125		3 1/2 REG			12505377

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/27/2016 03:00	05/31/2016 20:30	6	121.41		DRILL 6.125" PRODUCTION SECTION

MD (ft)	SW Up (kip)	SW Down (kip)	SW Rotn (kip)	Drag (kip)	Tq On Btm (ft-lbf)	Tq Off Btm (ft-lbf)	Footage (ft)
15,717.00	230.0	115.00	170.00	60.00	12,000.0	8,000.0	236.00
15,748.00	230.0	115.00	170.00	60.00	12,000.0	8,000.0	31.00

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
6	6.125	HALLIBURTON	MM64D			12480908	6x16	15,748.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	448	14,098.74	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
CLAW 5" MUD MOTOR FBH LOBE 7/8 STAGE 5 SET @ 1.75	1	29.00	5.000			3 1/2 IF			C2-127066
BIT #6 RUN #1 6.125" SECURITY MM64D SN:12480908 6X16	1	0.77	6.125	6.125		3 1/2 REG			12480908

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/31/2016 20:30		7	244.01		DRILL 6.125" PRODUCTION SECTION

Remarks

FUEL ON HAND 7732 GALLONS
FUEL USED 1283 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 25 06/01/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	24.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	20.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ARMANDO RAMIREZ	Measured Depth(ft)	16,298.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,948.69
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	550.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,244,705/2,964,096.00	Formation top MD	
Actual divided by AFE	0.76	Daily NPT(hr/%)	0/0
Daily Cost	50,306	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	282	Safety Card - Unsafe	0
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 292 DAYS
NO LTI 292 DAYS
LAST HIPO 38 DAYS ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM 292 DAYS
LAST SPILL 292 DAYS

OSHA training reviewed hearing protection.

Drills

Drill Category	Drill Type	Detection (sec)	Complete (sec)	Crew drilled	Pass / Fail	PIC	Comments
Well Control Crew	Trip		80.00	Day	Pass	ARMANDO RAMIREZ	

EP WELLS DAILY OPERATIONS REPORT

Report 25 06/01/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	16
Last BOP function test	06/01/2016	0	Days Since Last Drill	0
Last BOP Test	05/26/2016	6		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

TIH F/2500' - 9600', slip and cut, function test BOP, circulated out 60 bbl pill, TIH to bottom, circulated out 85 bbl pill & B/U, drill F/15748' - 16298'

Update Since Report Time

Drilling ahead @ 16544'

24 Hour Forecast

Continue drilling lateral to TD

EP WELLS DAILY OPERATIONS REPORT

Report 25 06/01/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	2.50	D06	DRT		15,748.00	0		TIH F/2500' - 9600' on trip tank
2:30	1.00	D06	MNR		15,748.00	0		Slip and cut drill line
3:30	1.00	D06	PCD		15,748.00	0		Circulate out 60 bbl 18.0 ppg weighted pill
4:30	1.00	D06	DRT		15,748.00	0		TIH F/9600' - 11300' on trip tank
5:30	0.50	D06	MNR		15,748.00	0		Rig service
6:00	3.00	D06	DRT		15,748.00	0		TIH F/11300' - 15739' on trip tank (tight spot @ 12930', 30K)
9:00	1.50	D06	PCD		15,748.00	0		Circulate out 85 bbl 18.0 ppg weighted pill and B/U trip gas
10:30	3.00	D06	DRR		15,846.00	0		ROTARY DRILLING F/15,748' T/15,846', (98 FOOTAGE @ 33 FPH) WOB: 19 K RPM: SURFACE 65 MOTOR 200 BIT 265 PSI & FLOW: SPP 6350 GPM 290 TORQUE: ON BOTTOM 12.5 K OFF BOTTOM 7 K STRING WEIGHT: UP 215K DOWN 90K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 1700, CG 718 Flare: 0-5'
13:30	2.50	D06	DRM		15,876.00	0		SLIDING F/15,846' T/15,876', (30 FOOTAGE @ 12 FPH) WOB: 33K RPM: SURFACE 0 MOTOR 197 BIT 197 PSI & FLOW: SPP 6250 GPM 285 DIFF 210 STRING WEIGHT: UP 215K DOWN 110K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 1400, CG 718 Flare: 0-2'
16:00	1.00	D06	DRR		15,919.00	0		ROTARY DRILLING F/15,876' T/15,919', (43 FOOTAGE @ 43 FPH) WOB: 19 K RPM: SURFACE 65 MOTOR 200 BIT 265 PSI & FLOW: SPP 6350 GPM 290 TORQUE: ON BOTTOM 12.5 K OFF BOTTOM 7 K STRING WEIGHT: UP 215K DOWN 110K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 850, CG 1200 Flare: 0-5'
17:00	0.50	D06	MNR		15,919.00	0		Rig service
17:30	6.50	D06	DRR		16,298.00	0		ROTARY DRILLING F/15,919' T/16,298', (379 FOOTAGE @ 43 FPH) WOB: 19 K RPM: SURFACE 65 MOTOR 200 BIT 265 PSI & FLOW: SPP 6350 GPM 290 TORQUE: ON BOTTOM 12.5 K OFF BOTTOM 7 K STRING WEIGHT: UP 210K DOWN 110K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 1500, CG 600 Flare: 0-5'
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
15,862.80	90.03	343.04	11,944.33	3,913.25	-516.21	3,901.05	2.49	EPW MWD
15,952.80	90.81	343.95	11,943.67	3,999.54	-541.78	3,991.05	1.33	EPW MWD
16,042.80	90.59	343.39	11,942.57	4,085.90	-567.08	4,081.04	0.67	EPW MWD

EP WELLS DAILY OPERATIONS REPORT

Report 25 06/01/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
16,132.80	89.47	343.91	11,942.52	4,172.26	-592.42	4,171.04	1.37	EPW MWD
16,222.80	86.22	341.91	11,945.91	4,258.21	-618.84	4,260.95	4.24	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)		POM (cc)	
MD (ft)		TS/HGS/LGS (%)		CaCl2 (%)	
Mud Density (ppg)		Sand (%)		Caom/Clom (ppm)	
Vis (s/qt)		Oil/Water Ratio (%)		ACT	
PV/YP (cp/lbf/100ft²)				XS Lime(lbm/bbl)	
Gels 10 s/m (lbf/100ft²)		LCM (lbm/bbl)		ES (Volts)	
API/HTHP WL (cc/30min)		ECD (ppg)		R600/300 (°)	
FC/HTHP FC (32nd")		H2S (gas unit)		R200/100 (°)	
WPS (ppm)		KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
6	6.125	HALLIBURTON	MM64D			12480908	6x16	15,748.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
15,846.00	19.0/19.0	65	290.0	6,350.00	77.57	1.22	13.12	3.00	98.00	32.7	3.00	98.00	32.7
15,876.00	33.0/33.0	0	285.0	6,250.00	74.92	1.20	12.46	2.50	30.00	12.0	5.50	128.00	23.3
15,919.00	19.0/19.0	65	290.0	6,350.00	77.57	1.22	13.12	1.00	43.00	43.0	6.50	171.00	26.3
16,298.00	19.0/19.0	65	290.0	6,350.00	77.57	1.22	13.12	6.50	379.00	58.3	13.00	550.00	42.3

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	466	14,648.74	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
CLAW 5" MUD MOTOR FBH LOBE 7/8 STAGE 5 SET @ 1.75	1	29.00	5.000			3 1/2 IF			C2-127066
BIT #6 RUN #1 6.125" SECURITY MM64D SN:12480908 6X16	1	0.77	6.125	6.125		3 1/2 REG			12480908

EP WELLS DAILY OPERATIONS REPORT

Report 25 06/01/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/31/2016 20:30				7	122.60		DRILL 6.125" PRODUCTION SECTION
MD (ft)	SW Up (kip)	SW Down (kip)	SW Rotn (kip)	Drag (kip)	Tq On Btm (ft-lbf)	Tq Off Btm (ft-lbf)	Footage (ft)
15,846.00	215.0	90.00	165.00	50.00	12,500.0	7,000.0	98.00
15,876.00	215.0	110.00	0.00	215.00	0.0	0.0	30.00
15,919.00	215.0	110.00	165.00	50.00	12,500.0	7,000.0	43.00
16,298.00	210.0	110.00	165.00	45.00	12,500.0	7,000.0	379.00

Remarks

FUEL ON HAND 6054 GALLONS
FUEL USED 1678 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 26 06/02/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	25.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	21.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ARMANDO RAMIREZ	Measured Depth(ft)	17,219.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,950.48
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	921.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,318,848/2,964,096.00	Formation top MD	
Actual divided by AFE	0.78	Daily NPT(hr/%)	1.00/4.17
Daily Cost	75,008	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	283	Safety Card - Unsafe	2
Last casing pressure test			**PS BARRIER EVENT**			SSE%	
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 293 DAYS
NO LTI 293 DAYS
LAST HIPO 39 DAYS ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM 293 DAYS
LAST SPILL 293 DAYS

Reviewed heat safety related health problems, symptoms, treatment, and prevention: Heat rash, heat cramps, heat exhaustion, and heat stroke.

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	10
Last BOP function test	06/01/2016	1	Days Since Last Drill	1
Last BOP Test	05/26/2016	7		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Drill F/16298' – 17206', troubleshoot pressure loss, drilled to 17212' with low ROP, pressure tested surface equipment found no issues, attempted to drill ahead, circulated hole clean for bit trip

Update Since Report Time

EP WELLS DAILY OPERATIONS REPORT

Report 26 06/02/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

TOOH to 11900' force filling, no excessive drag, circulated B/U, spotted 138 bbl weighted pill for 15.2 ppg EMW, currently TOOH on trip tank at 9900'

24 Hour Forecast

L/D BHA #7, M/U BHA #8, TIH stage out pill, circulate out trip gas, drill to TD ~18247'

EP WELLS DAILY OPERATIONS REPORT

Report 26 06/02/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	2.00	D06	DRM		16,333.00	0		SLIDING F/16,298' T/16,333', (35 FOOTAGE @ 18 FPH) WOB: 33K RPM: SURFACE 0 MOTOR 197 BIT 197 PSI & FLOW: SPP 6000 GPM 285 DIFF 00 STRING WEIGHT: UP 215K DOWN 110K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 1400, CG 718 Flare: 0-2'
2:00	3.50	D06	DRR		16,637.00	0		ROTARY DRILLING F/16,333' T/16,637', (304 FOOTAGE @ 55 FPH) WOB: 23 K RPM: SURFACE 65 MOTOR 200 BIT 265 PSI & FLOW: SPP 6350 GPM 290 TORQUE: ON BOTTOM 12.5 K OFF BOTTOM 7 K STRING WEIGHT: UP 250K DOWN 90K ROTATING 160K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 1500, CG 600 Flare: 0-5'
5:30	0.50	D06	MNR		16,637.00	0		Service rig
6:00	11.00	D06	DRR		17,176.00	0		ROTARY DRILLING F/16,637' T/17,176', (539 FOOTAGE @ 50 FPH) WOB: 25 K RPM: SURFACE 65 MOTOR 197 BIT 262 PSI & FLOW: SPP 6150 GPM 285 TORQUE: ON BOTTOM 12.5 K OFF BOTTOM 7 K STRING WEIGHT: UP 210K DOWN 110K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 800, CG 630 Flare: 0-2'
17:00	0.50	D06	MNR		17,176.00	0		Service rig
17:30	0.50	D06	DRR		17,206.00	0		ROTARY DRILLING F/17,176' T/17,206', (30 FOOTAGE @ 60 FPH) WOB: 23 K RPM: SURFACE 65 MOTOR 197 BIT 262 PSI & FLOW: SPP 6150 GPM 285 TORQUE: ON BOTTOM 12.5 K OFF BOTTOM 7 K STRING WEIGHT: UP 210K DOWN 110K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 800, CG 630 Flare: 0-2'
18:00	1.00	D06	REP		17,206.00	1		NPT PD565: Troubleshoot mud pumps for 500 psi pressure loss. Found trash in mud pump. Downlink MWD
19:00	1.50	D06	DRR		17,212.00	0		ROTARY DRILLING F/17,206' T/17,212', (6 FOOTAGE @ 4 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 197 BIT 252 PSI & FLOW: SPP 5322 GPM 272 TORQUE: ON BOTTOM 15 K OFF BOTTOM 7 K STRING WEIGHT: UP 210K DOWN 110K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.69 Gas: BG 800, CG 630 Flare: 0-2'
20:30	1.00	D06	PRE		17,212.00	0		Pressure test surface equipment, circulate sweep, prepare heavy mud
21:30	1.50	D06	DRR		17,219.00	0		ROTARY DRILLING F/17,212' T/17,219', (7 FOOTAGE @ 5 FPH) WOB: 30 K RPM: SURFACE 65 MOTOR 197 BIT 252 PSI & FLOW: SPP 5322 GPM 272 TORQUE: ON BOTTOM 15 K OFF BOTTOM 7 K STRING WEIGHT: UP 210K DOWN 110K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.69

EP WELLS DAILY OPERATIONS REPORT

Report 26 06/02/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
								Gas: BG 800, CG 630 Flare: 0-2'
23:00	1.00	D06	PCD		17,219.00	0		Circulate hole clean, prepare for trip
Total	**24.00**							

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
06/02/2016 18:00	PRECISION DRILLING COMPANY LP	Rig/Work Unit Misc	17,206.00	REP	EN	Mud Pump	1.00	1.00		OPEN

Description: lost 500 psi pressure, found trash in mud pump

Title: NPT: PD565 troubleshoot pressure loss

Total 1.00 1.00

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
16,670.80	88.16	345.93	11,957.22	4,692.47	-727.89	4,708.36	0.96	EPW MWD
16,760.80	92.88	349.92	11,956.41	4,780.43	-746.70	4,798.07	6.87	EPW MWD
16,850.80	91.65	348.44	11,952.85	4,868.76	-763.59	4,887.59	2.14	EPW MWD
16,939.80	91.96	348.29	11,950.05	4,955.88	-781.53	4,976.25	0.39	EPW MWD
17,119.80	88.91	347.84	11,948.68	5,131.97	-818.74	5,155.71	1.71	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)		POM (cc)	
MD (ft)		TS/HGS/LGS (%)		CaCl2 (%)	
Mud Density (ppg)		Sand (%)		Caom/Clom (ppm)	
Vis (s/qt)		Oil/Water Ratio (%)		ACT	
PV/YP (cp/lbf/100ft²)				XS Lime(lbm/bbl)	
Gels 10 s/m (lbf/100ft²)		LCM (lbm/bbl)		ES (Volts)	
API/HTHP WL (cc/30min)		ECD (ppg)		R600/300 (°)	
FC/HTHP FC (32nd")		H2S (gas unit)		R200/100 (°)	
WPS (ppm)		KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
6	6.125	HALLIBURTON	MM64D			12480908	6x16	15,748.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
16,333.00	33.0/33.0	0	285.0	6,000.00	74.92	1.25	12.46	2.00	35.00	17.5	15.00	585.00	39.0
16,637.00	23.0/23.0	65	290.0	6,350.00	77.57	1.22	13.12	3.50	304.00	86.9	18.50	889.00	48.1
17,176.00	25.0/25.0	65	265.0	6,150.00	64.77	1.05	10.01	11.00	539.00	49.0	29.50	1,428.00	48.4
17,206.00	23.0/23.0	65	285.0	6,150.00	74.92	1.22	12.46	0.50	30.00	60.0	30.00	1,458.00	48.6
17,212.00	30.0/30.0	65	272.0	5,322.00	68.24	1.28	10.83	1.50	6.00	4.0	31.50	1,464.00	46.5
17,219.00	30.0/30.0	65	272.0	5,322.00	68.24	1.28	10.83	1.50	7.00	4.7	33.00	1,471.00	44.6

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	495	15,569.74	4.000		3.340	XTM-39	16.00		RIG

EP WELLS DAILY OPERATIONS REPORT

Report 26 06/02/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
CLAW 5" MUD MOTOR FBH LOBE 7/8 STAGE 5 SET @ 1.75	1	29.00	5.000			3 1/2 IF			C2-127066
BIT #6 RUN #1 6.125" SECURITY MM64D SN:12480908 6X16	1	0.77	6.125	6.125		3 1/2 REG			12480908

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/31/2016 20:30		7	122.60		DRILL 6.125" PRODUCTION SECTION

MD (ft)	SW Up (kip)	SW Down (kip)	SW Rotn (kip)	Drag (kip)	Tq On Btm (ft-lbf)	Tq Off Btm (ft-lbf)	Footage (ft)
16,333.00	215.0	110.00	0.00	215.00	0.0	0.0	35.00
16,637.00	250.0	90.00	160.00	90.00	12,500.0	7,000.0	304.00
17,176.00	210.0	110.00	165.00	45.00	12,500.0	7,000.0	539.00
17,206.00	210.0	110.00	165.00	45.00	12,500.0	7,000.0	30.00
17,212.00	210.0	110.00	165.00	45.00	15,000.0	7,000.0	6.00
17,219.00	210.0	110.00	165.00	45.00	15,000.0	7,000.0	7.00

Remarks

FUEL ON HAND 11160 GALLONS
FUEL USED 1890 GALLONS
FUEL RECIEVED 6996 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 27 06/03/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	26.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	22.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ARMANDO RAMIREZ	Measured Depth(ft)	17,219.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,952.82
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	14.20
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,340,882/2,964,096.00	Formation top MD	
Actual divided by AFE	0.79	Daily NPT(hr/%)	0/0
Daily Cost	48,266	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	284	Safety Card - Unsafe	0
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 294 DAYS
NO LTI 294 DAYS
LAST HIPO 40 DAYS ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM 294 DAYS
LAST SPILL 294 DAYS

FAC: EE pinches finger while going to latch elevators TIH. Held stand-down and reviewed hand safety while tripping pipe and handling BHA. Reviewed LFI: PTW-D-LB-201602 and identified HOHO areas for various operations. Discussed the 5 hands free rules and where they apply in our operations.

Drills

Drill Category	Drill Type	Detection (sec)	Complete (sec)	Crew drilled	Pass / Fail	PIC	Comments
Well Control Crew	Choke			Night	Pass	JUSTIN HENSON	Held drill while
Well Control Crew	Trip			Day	Pass	ARMANDO RAMIREZ	

EP WELLS DAILY OPERATIONS REPORT

Report 27 06/03/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	13
Last BOP function test	06/03/2016	0	Days Since Last Drill	1
Last BOP Test	05/26/2016	8		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

TOOH F/17219', spot 138 weighted pill, L/D BHA #7, Bit grade: 1-1-WT-N-X-IN-NO-DMF, found wash in sub, M/U BHA #8, TIH to 10090' circulated out 71 bbl pill, TIH to bottom circulated out 67 bbl pill & B/U

Update Since Report Time

Drilling ahead at 17303'

24 Hour Forecast

Continue drilling lateral to TD, circulate hole clean for 4-1/2" casing run

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	2.50	D06	DRT		17,219.00	0		TOOH F/17219' - 11900' Force fill with 13.9 ppg active mud
2:30	1.50	D06	PCD		17,219.00	0		Circulate B/U, spot 138 bbl 18.0 ppg pill for 15.2 ppg EMW
4:00	1.50	D06	DRT		17,219.00	0		TOOH F/11900' - 8000' on trip tank
5:30	0.50	D06	MNR		17,219.00	0		Service rig
6:00	0.50	D06	PCD		17,219.00	0		Circulate B/U, flow check, pump slug
6:30	2.00	D06	DRT		17,219.00	0		TOOH F/8000' - 1650' on trip tank
8:30	0.50	D06	PCD		17,219.00	0		Pump through agitator with 600 psi pressure loss, pull rotating head
9:00	1.00	D06	DRT		17,219.00	0		TOOH F/1650' - 100' on trip tank
10:00	1.50	D06	DRT		17,219.00	0		PJSM, L/D BHA #7 Found washout in sub above mud motor Bit grade: 1-1-WT-N-X-IN-NO-DMF
11:30	5.50	D06	DRT		17,219.00	0		M/U BHA #8 TIH to 10090' on trip tank
17:00	1.50	D06	PCD		17,219.00	0		Circulate out 71 bbl 18.0 ppg weighted pill
18:30	0.50	D06	SAF		17,219.00	0		Clean rig floor
19:00	4.00	D06	DRT		17,219.00	0		TIH F/10090' - 17172' on trip tank
23:00	1.00	D06	PCD		17,219.00	0		Circulate out 67 bbl 18.0 ppg weighted pill and B/U trip gas Held choke drill
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
16,760.80	92.88	349.92	11,956.41	4,780.43	-746.70	4,798.07	6.87	EPW MWD
16,850.80	91.65	348.44	11,952.85	4,868.76	-763.59	4,887.59	2.14	EPW MWD
16,939.80	91.96	348.29	11,950.05	4,955.88	-781.53	4,976.25	0.39	EPW MWD
17,119.80	88.91	347.84	11,948.68	5,131.97	-818.74	5,155.71	1.71	EPW MWD
17,209.80	86.53	346.87	11,952.26	5,219.71	-838.43	5,245.45	2.86	EPW MWD

EP WELLS DAILY OPERATIONS REPORT

Report 27 06/03/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	56.00/16.00	POM (cc)	
MD (ft)	17,219.00	TS/HGS/LGS (%)	26.40//	CaCl2 (%)	
Mud Density (ppg)	14.20	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	77.00	Oil/Water Ratio (%)	77.80/22.20	ACT	
PV/YP (cp/lbf/100ft²)	26.00/11.000			XS Lime(lbm/bbl)	2.20
Gels 10 s/m (lbf/100ft²)	9.000/14.000	LCM (lbm/bbl)		ES (Volts)	610.0
API/HTHP WL (cc/30min)	0.0/	ECD (ppg)	14.200	R600/300 (°)	
FC/HTHP FC (32nd")	0.0/6.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	257,764	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
7	6.125	HALLIBURTON	MM53D			12788647	5x14	17,219.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	495	15,569.04	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1885766
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
MUD MOTOR FBH LOBE 6/7 STAGE 8 SET @ 1.75	1	29.70	5.000			3 1/2 IF			24XH-500409
BIT #7 RUN #1 6.125" SECURITY MM53D SN:12788647	1	0.77	6.125	6.125		3 1/2 REG			12788647

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
06/03/2016 11:30		8	123.30		DRILL 6.125" PRODUCTION SECTION

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
6	6.125	HALLIBURTON	MM64D			12480908	6x16	15,748.00	17,219.00	1-1-WT-N-X-I-NO-DMF

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)

EP WELLS DAILY OPERATIONS REPORT

Report 27 06/03/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	495	15,569.74	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1857345
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
CLAW 5" MUD MOTOR FBH LOBE 7/8 STAGE 5 SET @ 1.75	1	29.00	5.000			3 1/2 IF			C2-127066
BIT #6 RUN #1 6.125" SECURITY MM64D SN:12480908 6X16	1	0.77	6.125	6.125		3 1/2 REG			12480908

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
05/31/2016 20:30	06/03/2016 11:30	7	245.90		DRILL 6.125" PRODUCTION SECTION

Remarks

FUEL ON HAND 10090 GALLONS
FUEL USED 1070 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 28 06/04/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	27.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	23.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ARMANDO RAMIREZ	Measured Depth(ft)	17,483.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,960.13
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	264.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	14.10
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,393,719/2,964,096.00	Formation top MD	
Actual divided by AFE	0.81	Daily NPT(hr/%)	9.00/37.50
Daily Cost	52,837	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	3
FAC			**GOAL ZERO DAYS**	08/24/2015	285	Safety Card - Unsafe	4
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 295 DAYS
NO LTI 295 DAYS
LAST HIPO 41 DAYS ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM 295 DAYS
LAST SPILL 295 DAYS

Discussed good housekeeping: What defines good housekeeping, how does out team eliminate housekeeping related NPT. Good housekeeping means keeping house at all times and maintaining it as tasks are being performed.

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	12
Last BOP function test	06/03/2016	1	Days Since Last Drill	2
Last BOP Test	05/26/2016	9		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Drilled F/17219' - 17483', ROP never increased above 30 fph, dropped to 23 fph, TOOH to 11900', spotted 127 bbl weighted pill for 15.2 ppg EMW, TOOH to 8357' circulated above pill and flow checked, TOOH to 2300'

Update Since Report Time

EP WELLS DAILY OPERATIONS REPORT

Report 28 06/04/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

TOOH, L/D BHA #8, Bit grade: 1-2-DL-S-X-IN-CT-PR, motor appeared to be weak on surface, M/U BHA #9, pressure drop across agitator 511 psi w/14.0 ppg mud @ 280 gpm, TIH at 3300'

24 Hour Forecast

TIH, stage out pill, wash down last stand, circulate out remaining pill and trip gas, continue drilling lateral to TD ~18240'

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	2.50	D06	DRR		17,263.00	0		ROTARY DRILLING F/17,219' T/17,263', (44 FOOTAGE @ 18 FPH) WOB: 13 K RPM: SURFACE 65 MOTOR 228 BIT 292 PSI & FLOW: SPP 6520 GPM 265 TORQUE: ON BOTTOM 11 K OFF BOTTOM 7 K STRING WEIGHT: UP 190K DOWN 140K ROTATING 165K MW: 13.9 PPG MOTOR REVS/GAL: 0.86 Gas: BG 640, CG 811 Flare: 0-2'
2:30	0.50	D06	MNR		17,263.00	0		Service rig
3:00	9.00	D06	DRR		17,473.00	0		ROTARY DRILLING F/17,263' T/17,473', (210 FOOTAGE @ 23 FPH) WOB: 26 K RPM: SURFACE 70 MOTOR 224 BIT 294 PSI & FLOW: SPP 6000 GPM 260 TORQUE: ON BOTTOM 13 K OFF BOTTOM 7 K STRING WEIGHT: UP 225K DOWN 110K ROTATING 165K MW: 14.0 PPG MOTOR REVS/GAL: 0.86 Gas: BG 950, CG 353 Flare: 0-2'
12:00	2.00	D06	DRM		17,476.00	0		SLIDING F/17,473' T/17,476', (3 FOOTAGE @ 1 FPH) WOB: 27K RPM: SURFACE 0 MOTOR 224 BIT 224 PSI & FLOW: SPP 6000 GPM 260 DIFF 500 STRING WEIGHT: UP 225K DOWN 110K MW: 14.0 PPG MOTOR REVS/GAL: 0.86 Gas: BG 450, CG 422 Flare: 0-2'
14:00	1.00	D06	DRR		17,483.00	0		ROTARY DRILLING F/17,476' T/17,483', (7 FOOTAGE @ 7 FPH) WOB: 26 K RPM: SURFACE 70 MOTOR 224 BIT 294 PSI & FLOW: SPP 6000 GPM 260 TORQUE: ON BOTTOM 13 K OFF BOTTOM 7 K STRING WEIGHT: UP 225K DOWN 110K ROTATING 165K MW: 14.0 PPG MOTOR REVS/GAL: 0.86 Gas: BG 550, CG 422 Flare: 0-2'
15:00	2.00	D06	DRT		17,483.00	1		Pump slug, TOOH F/17483' - 11900' Force fill with 14.0 ppg active mud
17:00	2.50	D06	PCD		17,483.00	1		Circulate B/U, spot 127 bbl 18.0 ppg pill for 15.2 ppg EMW
19:30	1.00	D06	DRT		17,483.00	1		TOOH F/11900' - 8357' on trip tank L/D 3 jts for hard band wear
20:30	1.50	D06	PCD		17,483.00	1		Circulate B/U, flow check, pump slug
22:00	1.50	D06	DRT		17,483.00	1		TOOH F/8357' - 2300" on trip tank
23:30	0.50	D06	RUD		17,483.00	1		Pull rotating head
Total	**24.00**							

EP WELLS DAILY OPERATIONS REPORT

Report 28 06/04/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
06/04/2016 15:00	HALLIBURTON ENERGY SERVICES INC	Drill Bits, Under-Reamers & SWRD	17,483.00	DRT	EN	Bits	0.00	0.00		OPEN

Description: POOH, low rop with 5-11 bit

Title: POOH, low ROP

Total 0.00 0.00

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
16,850.80	91.65	348.44	11,952.85	4,868.76	-763.59	4,887.59	2.14	EPW MWD
16,939.80	91.96	348.29	11,950.05	4,955.88	-781.53	4,976.25	0.39	EPW MWD
17,119.80	88.91	347.84	11,948.68	5,131.97	-818.74	5,155.71	1.71	EPW MWD
17,209.80	86.53	346.87	11,952.26	5,219.71	-838.43	5,245.45	2.86	EPW MWD
17,299.80	88.60	348.68	11,956.08	5,307.58	-857.47	5,335.14	3.05	EPW MWD

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	56.00/16.00	POM (cc)	
MD (ft)	17,417.00	TS/HGS/LGS (%)	26.40//	CaCl2 (%)	
Mud Density (ppg)	14.10	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	73.00	Oil/Water Ratio (%)	77.80/22.20	ACT	
PV/YP (cp/lbf/100ft²)	26.00/11.000			XS Lime(lbm/bbl)	1.94
Gels 10 s/m (lbf/100ft²)	9.000/14.000	LCM (lbm/bbl)		ES (Volts)	615.0
API/HTHP WL (cc/30min)	0.0/	ECD (ppg)	18.240	R600/300 (°)	
FC/HTHP FC (32nd")	0.0/5.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	257,453	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
7	6.125	HALLIBURTON	MM53D			12788647	5x14	17,219.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
17,263.00	13.0/13.0	65	265.0	6,520.00	159.12	2.44	24.60	2.50	44.00	17.6	2.50	44.00	17.6
17,473.00	26.0/26.0	70	260.0	6,000.00	154.27	2.57	23.40	9.00	210.00	23.3	11.50	254.00	22.1
17,476.00	27.0/27.0	0	260.0	6,000.00	154.27	2.57	23.40	2.00	3.00	1.5	13.50	257.00	19.0
17,483.00	26.0/26.0	70	260.0	6,000.00	155.38	2.59	23.57	1.00	7.00	7.0	14.50	264.00	18.2

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	503	15,833.04	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1885766
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003

EP WELLS DAILY OPERATIONS REPORT

Report 28 06/04/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
MUD MOTOR FBH LOBE 6/7 STAGE 8 SET @ 1.75	1	29.70	5.000			3 1/2 IF			24XH-500409
BIT #7 RUN #1 6.125" SECURITY MM53D SN:12788647	1	0.77	6.125	6.125		3 1/2 REG			12788647

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
06/03/2016 11:30				8	123.30		DRILL 6.125" PRODUCTION SECTION
MD (ft)	**SW Up (kip)**	**SW Down (kip)**	**SW Rotn (kip)**	**Drag (kip)**	**Tq On Btm (ft-lbf)**	**Tq Off Btm (ft-lbf)**	**Footage (ft)**
17,263.00	190.0	140.00	165.00	25.00	11,000.0	7,000.0	44.00
17,473.00	225.0	110.00	165.00	60.00	13,000.0	7,000.0	210.00
17,476.00	225.0	110.00	0.00	225.00	0.0	0.0	3.00
17,483.00	225.0	110.00	165.00	60.00	13,000.0	7,000.0	7.00

Remarks

FUEL ON HAND 8586 GALLONS
FUEL USED 1504 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 29 06/05/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	28.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	24.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ARMANDO RAMIREZ	Measured Depth(ft)	17,893.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,952.69
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	410.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,444,515/2,964,096.00	Formation top MD	
Actual divided by AFE	0.82	Daily NPT(hr/%)	15.50/64.58
Daily Cost	50,796	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	286	Safety Card - Unsafe	4
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO 296 DAYS
NO LTI 296 DAYS
LAST HIPO 42 DAYS ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM 296 DAYS
LAST SPILL 296 DAYS

RSMT: As part of our team's commitment to the process of working hands free and avoiding line of fire injuries we rolled out our June awareness campaign that will focus on these two critical areas. Discussed and brought awareness to the five hand free rules and the three hand free principles from our ABC guide to hands free working.
HERO for the month for May was our motorman: ID#1638917 HEROS-PI-IGNITER ENERGY SOURCE ISOLATED

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	12
Last BOP function test	06/05/2016	0	Days Since Last Drill	3
Last BOP Test	05/26/2016	10		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

EP WELLS DAILY OPERATIONS REPORT

Report 29 06/05/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

L/D BHA #8, Bit grade: 1-2-DL-S-X-IN-CT-PR, M/U BHA #9, TIH stage out pill @ 10070', TIH to bottom wash down last stand, circulate out remaining 56 bbl pill and trip gas, drill F/17483' - 17893'

Update Since Report Time

Drilling ahead at 18070' TD at 18241'

24 Hour Forecast

Circulate hole clean for casing run, TOOH, Run 4-1/2" liner

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.00	D06	DRT		17,483.00	1		TOOH F/2300' - 96' on trip tank
1:00	1.00	D06	DRT		17,483.00	1		PJSM, L/D BHA #8 Found motor to be weak on surface check Bit grade: 1-2-DL-S-X-IN-CT-PR M/U BHA #9, pressure drop across agitator 511 psi w/14.0 ppg mud @ 280 gpm
2:00	3.00	D06	DRT		17,483.00	1		M/U BHA #9, TIH to 4776' on trip tank Pressure drop across agitator 511 psi w/14.0 ppg mud @ 280 gpm
5:00	0.50	D06	RUD		17,483.00	1		Install rotating head
5:30	0.50	D06	MNR		17,483.00	1		Service rig
6:00	2.50	D06	DRT		17,483.00	1		TIH to 10070' on trip tank
8:30	1.50	D06	PCD		17,483.00	1		Circulate out 71 bbl 18.0 ppg weighted pill
10:00	3.50	D06	DRT		17,483.00	1		TIH F/10070' - 17444' on trip tank
13:30	2.00	D06	PCD		17,483.00	1		Circulate out 56 bbl 18.0 ppg weighted pill and B/U trip gas
15:30	1.50	D06	DRR		17,534.00	0		ROTARY DRILLING F/17,483' T/17,534', (51 FOOTAGE @ 34 FPH) WOB: 26 K RPM: SURFACE 65 MOTOR 187 BIT 252 PSI & FLOW: SPP 6400 GPM 270 TORQUE: ON BOTTOM 12.5 K OFF BOTTOM 7 K STRING WEIGHT: UP 230K DOWN 130K ROTATING 175K MW: 14.2 PPG MOTOR REVS/GAL: 0.69 Gas: BG 930, CG 422 Flare: 0-2'
17:00	0.50	D06	MNR		17,534.00	0		Service rig
17:30	6.50	D06	DRR		17,893.00	0		ROTARY DRILLING F/17,534' T/17,893', (359 FOOTAGE @ 70 FPH) WOB: 27 K RPM: SURFACE 65 MOTOR 182 BIT 247 PSI & FLOW: SPP 6420 GPM 265 TORQUE: ON BOTTOM 123 K OFF BOTTOM 7 K STRING WEIGHT: UP 230K DOWN 130K ROTATING 175K MW: 14.2 PPG MOTOR REVS/GAL: 0.69 Gas: BG 640, CG 500 Flare: 0-2'
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
17,389.80	88.91	349.51	11,958.04	5,395.93	-874.49	5,424.72	0.98	EPW MWD
17,477.80	88.88	348.88	11,959.74	5,482.35	-890.98	5,512.30	0.72	EPW MWD
17,656.80	89.55	346.21	11,962.19	5,657.11	-929.58	5,690.87	1.54	EPW MWD
17,746.80	93.13	350.77	11,960.08	5,745.24	-947.53	5,780.49	6.44	EPW MWD
17,836.80	92.97	350.70	11,955.30	5,833.94	-962.00	5,869.69	0.19	EPW MWD

EP WELLS DAILY OPERATIONS REPORT

Report 29 06/05/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)		POM (cc)	
MD (ft)		TS/HGS/LGS (%)		CaCl2 (%)	
Mud Density (ppg)		Sand (%)		Caom/Clom (ppm)	
Vis (s/qt)		Oil/Water Ratio (%)		ACT	
PV/YP (cp/lbf/100ft²)				XS Lime(lbm/bbl)	
Gels 10 s/m (lbf/100ft²)		LCM (lbm/bbl)		ES (Volts)	
API/HTHP WL (cc/30min)		ECD (ppg)		R600/300 (°)	
FC/HTHP FC (32nd")		H2S (gas unit)		R200/100 (°)	
WPS (ppm)		KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
7	6.125	HALLIBURTON	MM53D			12788647	5x14	17,219.00	17,483.00	1-2-NO-S-X-I-CT-PR

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	503	15,833.04	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1885766
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
MUD MOTOR FBH LOBE 6/7 STAGE 8 SET @ 1.75	1	29.70	5.000			3 1/2 IF			24XH-500409
BIT #7 RUN #1 6.125" SECURITY MM53D SN:12788647	1	0.77	6.125	6.125		3 1/2 REG			12788647

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
06/03/2016 11:30	06/05/2016 02:00	8	123.30		DRILL 6.125" PRODUCTION SECTION

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
8	6.125	HALLIBURTON	MM64D			12519746	6x13	17,483.00		- - - - - -

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
17,534.00	26.0/26.0	65	270.0	6,400.00	157.62	2.46	24.83	1.50	51.00	34.0	1.50	51.00	34.0
17,893.00	27.0/27.0	65	265.0	6,420.00	151.84	2.37	23.47	6.50	359.00	55.2	8.00	410.00	51.2

EP WELLS DAILY OPERATIONS REPORT

Report 29 06/05/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	516	16,244.92	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1885766
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
5" CLAW MUD MOTOR FBH LOBE 7/8 STAGE 5 SET @ 1.50	1	27.82	5.000			3 1/2 IF			C2-127112
BIT #8 RUN #1 6.125" SECURITY MM64D SN:12519746	1	0.77	6.125	6.125		3 1/2 REG			12519746

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
06/05/2016 02:00				9	244.72		DRILL 6.125" PRODUCTION SECTION
MD (ft)	**SW Up (kip)**	**SW Down (kip)**	**SW Rotn (kip)**	**Drag (kip)**	**Tq On Btm (ft-lbf)**	**Tq Off Btm (ft-lbf)**	**Footage (ft)**
17,534.00	230.0	130.00	175.00	55.00	12,500.0	7,000.0	51.00
17,893.00	230.0	130.00	175.00	55.00	12,500.0	7,000.0	359.00

Remarks

FUEL ON HAND 14644 GALLONS
FUEL USED 1442 GALLONS
FUEL RECIEVED 7500 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 30 06/06/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	29.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	25.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ARMANDO RAMIREZ	Measured Depth(ft)	18,241.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,948.28
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	348.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	14.20
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,724,406/2,964,096.00	Formation top MD	
Actual divided by AFE	0.92	Daily NPT(hr/%)	0/0
Daily Cost	58,352	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	1
FAC			**GOAL ZERO DAYS**	08/24/2015	287	Safety Card - Unsafe	4
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO	297 DAYS	
NO LTI	297 DAYS	
LAST HIPO	43 DAYS	ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM	297 DAYS	
LAST SPILL	297 DAYS	

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	18
Last BOP function test	06/05/2016	1	Days Since Last Drill	4
Last BOP Test	05/26/2016	11		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Drilled F/17893' - 18241' TD, TOOH spotted 120 bbl weighted pill for 15.2 ppg EMW, slipped 80', L/D BHA #9, Bit grade: 1-1-PN-C-X-IN-NO-TD (2x plugged jets), R/U casing tools

Update Since Report Time

Running 4-1/2" liner at 4877'

24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 30 06/06/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Run 4-1/2" liner to bottom, hang off, pump cement job

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	4.50	D06	DRR		18,072.00	0		ROTARY DRILLING F/17,893' T/18,072', (179 FOOTAGE @ 40 FPH) WOB: 27 K RPM: SURFACE 65 MOTOR 182 BIT 247 PSI & FLOW: SPP 6420 GPM 265 TORQUE: ON BOTTOM 123 K OFF BOTTOM 7 K STRING WEIGHT: UP 230K DOWN 130K ROTATING 175K MW: 14.2 PPG MOTOR REVS/GAL: 0.69 Gas: BG 670, CG 500 Flare: 0-2'
4:30	0.50	D06	MNR		18,072.00	0		Service rig
5:00	2.50	D06	DRR		18,241.00	0		ROTARY DRILLING F/18,072' T/18,241', (169 FOOTAGE @ 68 FPH) WOB: 27 K RPM: SURFACE 65 MOTOR 182 BIT 247 PSI & FLOW: SPP 6420 GPM 265 TORQUE: ON BOTTOM 123 K OFF BOTTOM 7 K STRING WEIGHT: UP 230K DOWN 130K ROTATING 175K MW: 14.2 PPG MOTOR REVS/GAL: 0.69 Gas: BG 650, CG 200 Flare: 0-2'
7:30	3.50	D06	PCD		18,241.00	0		Circulate and condition hole, pump 2x 20 bbl sweeps
11:00	3.00	D06	PCD		18,241.00	0		Pump slug, TOOH F/18241' - 11979' Force fill with 14.2 ppg active mud
14:00	1.50	D06	PCD		18,241.00	0		Circulate B/U, spot 120 bbl 18.0 ppg pill for 15.2 ppg EMW
15:30	1.50	D06	DRT		18,241.00	0		TOOH F/11979' - 8500' on trip tank
17:00	1.00	D06	PCD		18,241.00	0		Circulate B/U, flow check, pump slug
18:00	1.00	D06	PCD		18,241.00	0		Slip 80' of drill line
19:00	2.50	D06	MNR		18,241.00	0		TOOH F/8500' - 109' on trip tank
21:30	1.50	D06	DRT		18,241.00	0		PJSM, L/D BHA #9 Bit grade: 1-1-PN-C-X-IN-NO-TD 2 x plugged jets
23:00	0.50	D06	MNR		18,241.00	0		Service rig
23:30	0.50	D06	RUD		18,241.00	0		PJSM R/U casing tools
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
18,015.80	91.26	349.45	11,949.09	6,010.17	-992.64	6,047.45	1.10	EPW MWD
18,015.80	91.26	349.25	11,950.81	6,008.54	-1,000.67	6,048.14	0.45	EPW MWD+SCC
18,105.80	90.67	350.36	11,947.57	6,098.77	-1,008.41	6,136.91	1.20	EPW MWD
18,105.80	90.67	350.19	11,949.29	6,097.08	-1,016.73	6,137.63	1.23	EPW MWD+SCC
18,184.80	89.30	349.25	11,947.59	6,176.52	-1,022.39	6,215.47	2.23	EPW MWD

EP WELLS DAILY OPERATIONS REPORT

Report 30 06/06/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	55.00/16.00	POM (cc)	
MD (ft)	18,238.00	TS/HGS/LGS (%)	27.30/23.00/4.20	CaCl2 (%)	
Mud Density (ppg)	14.20	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	71.00	Oil/Water Ratio (%)	77.50/22.50	ACT	
PV/YP (cp/lbf/100ft²)	26.00/11.000			XS Lime(lbm/bbl)	2.20
Gels 10 s/m (lbf/100ft²)	14.000/16.000	LCM (lbm/bbl)		ES (Volts)	610.0
API/HTHP WL (cc/30min)		ECD (ppg)	18.580	R600/300 (°)	
FC/HTHP FC (32nd")	/5.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	263,403	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
8	6.125	HALLIBURTON	MM64D			12519746	6x13	17,483.00	18,241.00	1-1-PN-C-X-I-NO-TD

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)
18,072.00	27.0/27.0	65	265.0	6,420.00	151.84	2.37	23.47	4.50	179.00	39.8	15.00	758.00	50.5
18,241.00	27.0/27.0	65	265.0	6,420.00	151.84	2.37	23.47	2.50	169.00	67.6	15.00	758.00	50.5

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	527	16,592.92	4.000		3.340	XTM-39	16.00		RIG
5" NOV AGITATOR W/ 1.40 PLATE	1	23.20	5.000			XTM-39			W1885766
5" DRILL PIPE	34	1,526.66	5.000		2.560	XTM-39			RIG
XT-39 x 3 1/2 IF CROSSOVER	1	2.67	5.060		2.630	XTM-39			DR28531
FLOAT SUB	1	1.57	4.630		2.440	3 1/2 IF	44.97		NESFS475241
FILTER SUB	1	2.72	4.630		2.310	3 1/2 IF	44.97		DR20581
SLICK NON-MAG DRILL COLLAR	1	29.38	4.380		2.750	3 1/2 IF	44.97		NESMS475003
SLICK NON-MAG DRILL COLLAR	1	30.01	4.380		2.750	3 1/2 IF	44.97		NESMS475559
UBHO ORIENTING SUB	1	3.28	4.630		2.750	3 1/2 IF	44.97		NESMS475665
5" CLAW MUD MOTOR FBH LOBE 7/8 STAGE 5 SET @ 1.50	1	27.82	5.000			3 1/2 IF			C2-127112
BIT #8 RUN #1 6.125" SECURITY MM64D SN:12519746	1	0.77	6.125	6.125		3 1/2 REG			12519746

Drillstring Details

Date/Time in		Date/Time out		BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
06/05/2016 02:00		06/06/2016 21:30		9	121.42		DRILL 6.125" PRODUCTION SECTION
MD (ft)	**SW Up (kip)**	**SW Down (kip)**	**SW Rotn (kip)**	**Drag (kip)**	**Tq On Btm (ft-lbf)**	**Tq Off Btm (ft-lbf)**	**Footage (ft)**
18,072.00	230.0	130.00	175.00	55.00	12,300.0	7,000.0	179.00
18,241.00	230.0	130.00	175.00	55.00	12,300.0	7,000.0	169.00

Remarks

FUEL ON HAND 13251 GALLONS
FUEL USED 1393 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 31 06/07/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	30.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	26.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	TYROME RUSSELL	Measured Depth(ft)	18,241.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,948.28
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	0.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	14.20
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,837,412/2,964,096.00	Formation top MD	
Actual divided by AFE	0.96	Daily NPT(hr/%)	0/0
Daily Cost	113,006	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	288	Safety Card - Unsafe	3
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO	298 DAYS	
NO LTI	298 DAYS	
LAST HIPO	44 DAYS	ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM	298 DAYS	
LAST SPILL	298 DAYS	

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	13
Last BOP function test	06/05/2016	2	Days Since Last Drill	5
Last BOP Test	05/26/2016	12		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Ran 4-1/2" liner to bottom 18241', staged out pills, set liner, released running tool, pumped cement job, bumped plug, floats held, no issues

Update Since Report Time

Pulled out running tool, set packer, circulated out spacer & cement to SBM, tested packer to 2500 psi, displaced to 10 ppg brine maintaining BHP, confirmed inflow test, TOOH at 9900'

EP WELLS DAILY OPERATIONS REPORT

Report 31 06/07/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

24 Hour Forecast

TOOH, L/D running tool, pull bit guide bushing, install BPV bushing & BPV, N/D, prep to walk, release to University 19 A 2303H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.00	D06	RUD		18,241.00	0		R/U casing tools
1:00	4.50	C06	CLR		18,241.00	0		Run 162 joints of 4-1/2" 13.5# P110 DQX T/6980'
5:30	0.50	C06	CLR		18,241.00	0		P/U hanger
6:00	0.50	C06	RUD		18,241.00	0		R/D casing crew
6:30	3.00	C06	DRT		18,241.00	0		TIH with liner on 4" drill pipe T/10551'
9:30	1.00	C06	PCD		18,241.00	0		Circulate out 65 bbl 18.0 ppg weighted pill Informed TRRC of cement job spoke with Cindy, operator #4
10:30	5.00	C06	DRT		18,241.00	0		TIH with liner on 4" drill pipe T/18241' Liner top 11245'
15:30	2.50	C06	PCD		18,241.00	0		Circulate out 55 bbl 18.0 ppg weighted pill and B/U
18:00	3.00	C06	PCD		18,241.00	0		Drop 1.25" setting ball, circulate down to landing collar, 2700 psi setting pressure, confirm liner set, shear out at 3900 psi Drop 1.5" setting ball and circulate down, shear at 2700 psi, confirm running toll is free
21:00	3.00	C06	CLR		18,241.00	0		Pump cement job: Test lines to 8,000 psi Pump 50 bbls type of spacer mixed at 14.3 ppg Tail Slurry: Pump 141 barrels of 14.5 ppg cement pumped at 4 bpm. Pumped slurry consisting of 640 sacks (20% excess) of 50/50 Poz Premium + Additives: 0.5 lbm D-Air 5000, 0.05% SA-1015, 0.5% CFR-3 W/O Defoamer, 1% LAP-1. Shut down, flush lines, dropped dart. Displacement Fluid: Start displacing with 20 barrels of 8.33 ppg MMCR water at 4 bpm, 70 bbls of 10 ppg brine, 30 bbls of 8.4 ppg fresh water, 104 bbls of 14.2 ppg OBM. Bumped plug w/ 700 psi over and held for 2 minutes. Floats held, 2.5 bbl bleed back Full returns during job
Total	**24.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
18,105.80	90.67	350.36	11,947.57	6,098.77	-1,008.41	6,136.91	1.20	EPW MWD
18,105.80	90.67	350.36	11,948.42	6,098.38	-1,010.46	6,137.12	1.20	EPW MWD
18,184.80	89.30	349.25	11,947.59	6,176.52	-1,022.39	6,215.47	2.23	EPW MWD
18,184.80	89.30	349.25	11,948.45	6,176.13	-1,024.45	6,215.68	2.23	EPW MWD
18,184.80	89.30	349.06	11,949.31	6,174.79	-1,030.95	6,216.21	2.25	EPW MWD+SCC

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)	55.00/16.00	POM (cc)	
MD (ft)	18,238.00	TS/HGS/LGS (%)	27.30/23.00/4.20	CaCl2 (%)	
Mud Density (ppg)	14.20	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	71.00	Oil/Water Ratio (%)	77.50/22.50	ACT	
PV/YP (cp/lbf/100ft²)	26.00/11.000			XS Lime(lbm/bbl)	2.20
Gels 10 s/m (lbf/100ft²)	14.000/16.000	LCM (lbm/bbl)		ES (Volts)	610.0
API/HTHP WL (cc/30min)		ECD (ppg)	14.200	R600/300 (°)	
FC/HTHP FC (32nd")	/5.0	H2S (gas unit)		R200/100 (°)	
WPS (ppm)	263,403	KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

EP WELLS DAILY OPERATIONS REPORT

Report 31 06/07/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Remarks
FUEL ON HAND 12426 GALLONS
FUEL USED 825 GALLONS
FUEL RECIEVED 0 GALLONS

EP WELLS DAILY OPERATIONS REPORT

Report 32 06/08/2016

Company	PERMIAN
Well Type	Exploration
Well	UNIVERSITY 19 B 2304H
Wellbore	UNIVERSITY 19 B 2304H
WBS No/API No	30248061 / 4230132849.00

Event Summary

Event Type	Drilling only	Event Start Date	04/24/2016	Days on Location	31.67
Objective	Drill - Wolfcamp Shale Beta	Original Spud Date	04/28/2016	Days Since Spud	27.10
Est. Days	32.00	Contractor	PRECISION		
Work Unit	PRECISION 565	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	TYROME RUSSELL	Measured Depth(ft)	18,241.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,948.28
Other Supervisor	JUSTIN HENSON / ROSS GRAHAM	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,858.80 / 2,830.30	Hole size(in)	6.125
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	7.000in@11,841.00ft
Rig Zero Rate(hr)	0.00	Next Casing MD	4.500in@18,000.00ft
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Auxiliary/Secondary Work(hr)	0.00	Lithology	
NX Auxiliary Floor Not Available(hr)	0.00	Formation	
Actual cost to date/AFE	2,897,376/2,964,096.00	Formation top MD	
Actual divided by AFE	0.98	Daily NPT(hr/%)	0/0
Daily Cost	152,055	Days Ahd(-) Bhnd(+)(50/50)	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	0
FAC			**GOAL ZERO DAYS**	08/24/2015	289	Safety Card - Unsafe	0
Last casing pressure test			**PS BARRIER EVENT**			SSE%	0
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

GOAL ZERO	299 DAYS	
NO LTI	299 DAYS	
LAST HIPO	45 DAYS	ID#1621992 NM – DROPS – HAMMER DESCENDS TO RIG FLOOR
LAST RAM	299 DAYS	
LAST SPILL	299 DAYS	

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	17
Last BOP function test	06/05/2016	3	Days Since Last Drill	6
Last BOP Test	05/26/2016	13		
Next BOP Test	06/16/2016			

Operations Summary

24 Hour Summary

Set liner packer, displaced out spacer and cement, tested packer 2500 psi, displace to 10 ppg brine, TOOH, L/D running tool, pull bit guide bushing, install BPV bushing & BPV, N/D, install TA cap, release to University 19 A 2303H @ 17:00

Update Since Report Time

24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 32 06/08/2016

Well UNIVERSITY 19 B 2304H
Wellbore UNIVERSITY 19 B 2304H

Time Summary

Start	Hours	PH	OPN	WS OPN	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.50	C06	CLR		18,241.00	0		R/D Halliburton cementers, set packer, sting out with postitive pressure
0:30	0.50	C06	CLR		18,241.00	0		Displce out spacer and cement to SBM
1:00	0.50	C06	PRE		18,241.00	0		Test packer to 2500 psi
1:30	2.50	C06	PCD		18,241.00	0		Displaced SBM to 10 ppg brine maintaining BHP, confirmed inflow test with 500 psi increments, fill trip tanks with brine
4:00	0.50	C06	RUD		18,241.00	0		L/D Baker cement head
4:30	4.50	C06	DRT		18,241.00	0		TOOH rack back F/11245 to surface, L/D hanger runnning tool
9:00	2.50	C06	RUD		18,241.00	0		Pull bit guide bushing, install BPV bushing and BPV
11:30	1.50	C06	RUD		18,241.00	0		Blow back lines, clean eviromental pan, bleed off and unhook koomey lines, oin BOP handler, remove turn buckels, disconect air lines, hole fill, and orbit valve
13:00	3.50	C06	RUD		18,241.00	0		Disconect flow line, kill line, choke line, N/D BOP
16:30	0.50	C06	PMO		18,241.00	0		Install TA cap, test seals and void Release to University 19 A 2303H @ 17:00
Total	**17.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
18,105.80	90.67	350.36	11,947.57	6,098.77	-1,008.41	6,136.91	1.20	EPW MWD
18,105.80	90.67	350.36	11,948.42	6,098.38	-1,010.46	6,137.12	1.20	EPW MWD
18,184.80	89.30	349.25	11,947.59	6,176.52	-1,022.39	6,215.47	2.23	EPW MWD
18,184.80	89.30	349.25	11,948.45	6,176.13	-1,024.45	6,215.68	2.23	EPW MWD
18,184.80	89.30	349.06	11,949.31	6,174.79	-1,030.95	6,216.21	2.25	EPW MWD+SCC

Fluid Details

Mud type	Oil Base (GTL)	Oil/Water (%)		POM (cc)	
MD (ft)		TS/HGS/LGS (%)		CaCl2 (%)	
Mud Density (ppg)		Sand (%)		Caom/Clom (ppm)	
Vis (s/qt)		Oil/Water Ratio (%)		ACT	
PV/YP (cp/lbf/100ft²)				XS Lime(lbm/bbl)	
Gels 10 s/m (lbf/100ft²)		LCM (lbm/bbl)		ES (Volts)	
API/HTHP WL (cc/30min)		ECD (ppg)		R600/300 (°)	
FC/HTHP FC (32nd")		H2S (gas unit)		R200/100 (°)	
WPS (ppm)		KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Remarks

FUEL ON HAND 12000 GALLONS
FUEL USED 426 GALLONS
FUEL RECEIVED 0 GALLONS