



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 017
Report Date: 04/19/2017
Spud Date: 01/08/2017
Release Date:
DOE: 49 DOL: 17 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:

Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2,963.01
POB: 85 Manhours: 255.00

Current Activity:	WL STAGE # 6 POOH
24 Hr Summary:	W/L STG # 5, 6 FRAC STG # 5
24 Hr Forecast:	CONTINUE FRAC OP'S

OPERATION DETAILS

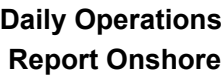
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:30	0.50	N	STG05	18	OTHR	POOH WITH DUMMY PLUG ASSY
06:30	11:47	5.28	N	STG05	73	WOOWO	WOOWO
11:47	12:22	0.58	N	STG05	18	OTHR	SWAPPING WELLS, CHANGE OUT ORING ON LUBRICATOR, MU PERF GUNS AND CHOICE PLUG, TEST QUIK CONN, EQUALIZE, OPEN WELL.
12:22	14:18	1.93	P	STG05	21	PERF	WL STAGE # 5. RU WL ON WELL. TEST WL PCE TO 8000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 17,476'. PU & PERF ON THE FLY AT 17,291' - 17,461' PUMPED 488 BBLS. DROP BALL.
14:18	15:13	0.92	N	STG05	18	OTHR	PERFORM PUMP MAINTENANCE, PRIME AND TEST FRAC EQUIPMENT.
15:13	17:18	2.08	P	STG05	35	STIM	FRAC STAGE # 5: SICP: 2,211. PUMP 31 BBLS 15% HCL; FRW PAD: 299,340 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,679 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,196 PSI. FG: 0.83 PSI/FT. ATP: 6,581 PSI. ATR: 79.5 BPM. MTP: 7,956 PSI. MTR: 90.7 BPM. LTR: 8,331 BBLS CLEAN, 4,266 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3,
17:18	04:10	10.87	P	STG06	73	WOOWO	WOOWO
04:10	06:00	1.83	P	STG06	21	PERF	WL STAGE # 6. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 17,273'. PU & PERF ON THE FLY AT 17,092' - 17,259' PUMPED 536 BBLS. DROP BALL.

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 018
Report Date: 04/20/2017
Spud Date: 01/08/2017
Release Date:
DOE: 50 DOL: 18 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:

Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2,963.01
POB: 85 Manhours: 255.00

Current Activity:	BEGIN FRAC STAGE # 8
24 Hr Summary:	FRAC STG # 6, 7 WL STG # 7, 8
24 Hr Forecast:	CONTINUE FRAC OPS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:12	0.20	P	STG06	21	PERF	CONTINUE POOH TO SFC. VERIFY ALL SHOTS FIRED.
06:12	06:24	0.20	P	STG06	73	WOOWO	WOOWO
06:24	06:38	0.23	P	STG06	18	OTHR	SWAPPING WELLS
06:38	08:39	2.02	P	STG06	35	STIM	FRAC STAGE # 6: SICP: 2,300. PUMP 30 BBLS 15% HCL; FRW PAD; 299,364 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,674 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,261 PSI. FG: 0.84 PSI/FT. ATP: 6719 PSI. ATR: 78.6 BPM. MTP: 7848 PSI. MTR: 90.1 BPM. LTR: 8,380 BBLS CLEAN, 4,345 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
08:39	13:13	4.57	P	STG07	73	WOOWO	WOOWO
13:13	13:40	0.45	P	STG07	18	OTHR	SWAPPING WELLS
13:40	15:30	1.83	P	STG07	21	PERF	WL STAGE # 7. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 17,071'. PU & PERF ON THE FLY AT 16,887' - 17,057' PUMPED 484 BBLS. POOH
15:30	18:52	3.37	P	STG07	73	WOOWO	WOOWO
18:52	21:43	2.85	P	STG07	35	STIM	FRAC STAGE # 7: SICP: 2,243, PUMP 30 BBLS 15% HCL; FRW PAD; 299,320 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,668 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,295 PSI. FG: 0.84 PSI/FT. ATP: 6,581 PSI. ATR: 79.8 BPM. MTP: 7,380 PSI. MTR: 90.9 BPM. LTR: 9,157 BBLS CLEAN; 4,542 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3 (LOST A WATER TRANSFER PUMP, FLUSHED AFTER 100 MESH SD CHANGED OUT PUMP, RESUMED AND FINISHED STAGE
21:43	01:10	3.45	P	STG07	73	WOOWO	WOOWO
01:10	03:10	2.00	P	STG08	21	PERF	WL STAGE # 8. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 7 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 42 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 16,866'. PU & PERF ON THE FLY AT 16,685' - 16,855' PUMPED 487 BBLS. POOH
03:10	05:30	2.33	P	STG07	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG07	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS					
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/			Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00	67.00		Pit Temp:					
9.625	922.00	922.00		Density:					
				Brine Type:					
				Gel Type:					
				Viscosity:					
				Nitrogen:					
				NTU:					
				FLOWBACK					
				Gas Rate:					
				Choke Size:					
				Avg. Tbg. Press:					
				Avg. Csg. Press:					
				Fluid Rate (Water):					
				Fluid Rate (Oil):					
				Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 019
Report Date: 04/21/2017
Spud Date: 01/08/2017
Release Date:
DOE: 51 DOL: 19 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity:	WOOWO
24 Hr Summary:	W/L STG # 9 FRAC STG # 8, # 9
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

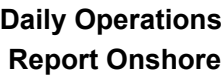
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:26	0.43	P	STG08	18	OTHR	SWAPPING WELLS
06:26	08:32	2.10	P	STG08	35	STIM	FRAC STAGE # 8: SICP: 2,257 PUMP 30 BBLS 15% HCL; FRW PAD; 299,345 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,655 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,101 PSI. FG: 0.82 PSI/FT. ATP: 6773 PSI. ATR: 82.7 BPM. MTP: 7917 PSI. MTR: 90.9 BPM. LTR: 8,896 BBLS CLEAN, 3,884 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
08:32	20:00	11.47	P	STG08	73	WOOWO	WOOWO
20:00	21:10	1.17	P	STG09	18	OTHR	SWAPPING WELLS / REHEAD
21:10	23:10	2.00	P	STG09	21	PERF	WL STAGE # 9. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 16,667'. PU & PERF ON THE FLY AT 16,483' - 16,653' PUMPED 483 BBLS. POOH
23:10	23:37	0.45	P	STG09	73	WOOWO	WOOWO
23:37	01:33	1.93	P	STG09	35	STIM	FRAC STAGE # 9: SICP: 2,312 PUMP 30 BBLS 15% HCL; FRW PAD; 299,300 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,660 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,179 PSI. FG: 0.83 PSI/FT. ATP: 6,618 PSI. ATR: 79.8 BPM. MTP: 7,478 PSI. MTR: 90.9 BPM. LTR: 8,806 BBLS CLEAN, 3,168 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
01:33	05:30	3.95	P	STG09	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG09	28	SFTYMTG	PJSM, JSA REVIEW W/ DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 020
Report Date: 04/22/2017
Spud Date: 01/08/2017
Release Date:
DOE: 52 DOL: 20 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity:	SHUT DOWN DUE TO HIGH WINDS
24 Hr Summary:	W/L STG # 10, 11 FRAC STG # 10
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

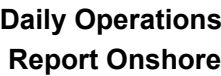
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	11:00	5.00	P	STG08	73	WOOWO	WOOWO
11:00	13:10	2.17	P	STG10	21	PERF	WL STAGE # 10. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 16,465'. PU & PERF ON THE FLY AT 16,281' - 16,451' PUMPED 458 BBLS. POOH
13:10	13:25	0.25	P	STG10	18	OTHR	SWAPPING WELLS
13:25	15:31	2.10	P	STG10	35	STIM	FRAC STAGE # 10: SICP: 2,285 PUMP 60 BBLS 15% HCL; FRW PAD 299,340 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,679 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 2,745 PSI. FG: 0.77 PSI/FT. ATP: 6,491 PSI. ATR: 71.0 BPM. MTP: 7,660 PSI. MTR: 90.1 BPM. LTR: 8,618 BBLS CLEAN, 3,191 PRODUCED. PUMPS IN LINE: 16 LOST: 1 STANDBY: 3
15:31	02:00	10.48	P	STG11	73	WOOWO	WOOWO
02:00	02:40	0.67	N	STG11	18	OTHR	MONITOR WIND SPEEDS 15 MIN GOOD, SWAP WELLS
02:40	04:40	2.00	P	STG11	21	PERF	WL STAGE # 11. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 16,263'. PU & PERF ON THE FLY AT 16,079' - 16,249' PUMPED 469 BBLS. POOH
04:40	05:30	0.83	N	STG09	43	WOW	WL TOOLS IN LUBRICATOR, WELL SHUT IN & BLED OFF. SHUT DOWN DUE TO HIGH WINDS
05:30	06:00	0.50	N	STG09	28	SFTYMTG	PJSM, JSA REVIEW WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 021
Report Date: 04/23/2017
Spud Date: 01/08/2017
Release Date:
DOE: 53 DOL: 21 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity: WOOWO
24 Hr Summary: W/L STG # 12, 13
FRAC STG # 11, 12
24 Hr Forecast: CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	09:25	3.42	N	STG11	18	OTHR	SHUT DOWN FOR WIND
09:25	11:25	2.00	P	STG11	35	STIM	FRAC STAGE # 11: SICP: 3,180 PUMP 30 BBLS 15% HCL; FRW PAD 299,323 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,682 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,180 PSI. FG: 0.83 PSI/FT. ATP: 6,587 PSI. ATR: 81.0 BPM. MTP: 7,771 PSI. MTR: 91.5 BPM. LTR: 8,569 BBLS CLEAN 4,002 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
11:25	15:55	4.50	P	STG12	73	WOOWO	WOOWO
15:55	16:15	0.33	P	STG12	18	OTHR	SWAPPING WELLS
16:15	18:08	1.88	P	STG12	21	PERF	WL STAGE # 12. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 16,049'. PU & PERF ON THE FLY AT 15,877' - 16,049' PUMPED 434 BBLS. POOH
18:08	19:20	1.20	P	STG12	73	WOOWO	WOOWO
19:20	20:00	0.67	N	STG12	09	EQRP	PUMP MAINTENANCE, PRIME AND TEST FRAC EQUIPMENT
20:00	22:03	2.05	P	STG12	35	STIM	FRAC STAGE # 12: SICP: 2,722 PUMP 30 BBLS 15% HCL; FRW PAD 299,371 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,671 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,105 PSI. FG: 0.82 PSI/FT. ATP: 6,498 PSI. ATR: 78.9 BPM. MTP: 7,191 PSI. MTR: 90.8 BPM. LTR: 8,533 BBLS CLEAN 4,095 PRODUCED. PUMPS IN LINE: 16 LOST: 1 STANDBY: 3
22:03	01:30	3.45	P	STG13	73	WOOWO	WOOWO
01:30	02:20	0.83	P	STG13	18	OTHR	SWAPPING WELLS. HAD TO SWING LUBRICATOR AND WIRELINE GROUND OPERATION AWAY FROM FRAC ON "OH" WELL
02:20	04:20	2.00	P	STG13	21	PERF	WL STAGE # 13. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 15,859'. PU & PERF ON THE FLY AT 15,675' - 15,845' PUMPED 441 BBLS. POOH
04:20	05:30	1.17	P	STG13	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG09	28	SFTYMTG	PJSM, JSA REVIEW WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 022
Report Date: 04/24/2017
Spud Date: 01/08/2017
Release Date:
DOE: 54 DOL: 22 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

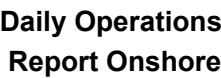
Current Activity:	BEGIN FRAC STAGE # 15
24 Hr Summary:	FRAC STG # 13, 14 WL STG # 14, 15
24 Hr Forecast:	CONTINUE FRAC OPS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	07:00	1.00	P	STG13	18	OTHR	GREASING AND TORQUING WELL
07:00	10:03	3.05	P	STG13	73	WOOWO	WOOWO
10:03	12:00	1.95	P	STG13	35	STIM	FRAC STAGE # 13: SICP: 2,334 PUMP 30 BBLS 15% HCL; FRW PAD 299,343 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,692 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 2,960 PSI. FG: 0.80 PSI/FT. ATP: 6,706 PSI. ATR: 81.0 BPM. MTP: 7,729 PSI. MTR: 90.7 BPM. LTR: 8,394 BBLS CLEAN 3,977 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
12:00	15:00	3.00	P	STG14	73	WOOWO	WOOWO
15:00	15:25	0.42	P	STG14	18	OTHR	SWAPPING WELLS
15:25	17:15	1.83	P	STG14	21	PERF	WL STAGE # 14. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 15,657'. PU & PERF ON THE FLY AT 15,473' - 15,643' PUMPED 429 BBLS. POOH
17:15	20:35	3.33	P	STG14	73	WOOWO	WOOWO
20:35	22:35	2.00	P	STG14	35	STIM	FRAC STAGE # 14: SICP: 2,450 PUMP 30 BBLS 15% HCL; FRW PAD 299,343 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,665 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,436 PSI. FG: 0.86 PSI/FT. ATP: 6,190 PSI. ATR: 82.2 BPM. MTP: 7,367 PSI. MTR: 91.8 BPM. LTR: 8,510 BBLS CLEAN 1,948 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
22:35	01:00	2.42	P	STG15	73	WOOWO	WOOWO
01:00	01:25	0.42	P	STG15	18	OTHR	SWAPPING WELLS
01:25	03:20	1.92	P	STG15	21	PERF	WL STAGE # 15. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 15,455'. PU & PERF ON THE FLY AT 15,271' - 15,441' PUMPED 417 BBLS. POOH
03:20	05:30	2.17	P	STG15	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG15	28	SFTYMTG	PJSM, JSA REVIEW WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS		COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:			
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set	
14.000	67.00 / 67.00		Pit Temp:						
9.625	922.00 / 922.00		Density:						
			Brine Type:						
			Gel Type:						
			Viscosity:						
			Nitrogen:						
			NTU:						
			FLOWBACK						
			Gas Rate:						
			Choke Size:						
			Avg. Tbg. Press:						
			Avg. Csg. Press:						
			Fluid Rate (Water):						
			Fluid Rate (Oil):						
			Tot. Load Recovered:						
PERFORATIONS									
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments		



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 023
Report Date: 04/25/2017
Spud Date: 01/08/2017
Release Date:
DOE: 55 DOL: 23 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity:	FRAC STAGE # 16 IN PROGRESS
24 Hr Summary:	WL STG # 16
	FRAC STG # 15
24 Hr Forecast:	CONTINUE FRAC OPS

OPERATION DETAILS

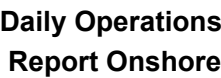
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:11	0.18	P	STG15	18	OTHR	SWAPPING WELLS
06:11	08:03	1.87	P	STG15	35	STIM	FRAC STAGE # 15: SICP: 2,640 PUMP 30 BBLS 15% HCL; FRW PAD 299,324 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,669 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,463 PSI. FG: 0.86 PSI/FT. ATP: 6,280 PSI. ATR: 83.1 BPM. MTP: 7,973 PSI. MTR: 91.1 BPM. LTR: 8,381 BBLS CLEAN 1,796 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
08:03	02:00	17.95	P	STG16	73	WOOWO	WOOWO
02:00	02:35	0.58	P	STG16	18	OTHR	SWAPPING WELLS
02:35	04:45	2.17	P	STG16	21	PERF	WL STAGE # 16. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 15,253'. PU & PERF ON THE FLY AT 15,069' - 15,239' PUMPED 411 BBLS. POOH
04:45	05:15	0.50	P	STG16	18	OTHR	SWAPPING WELLS
05:15	06:00	0.75	P	STG16	35	STIM	FRAC STAGE # 16 IN PROGRESS

Daily Operations Comments:

Casing			Fluids	Completion String Details				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			Flowback					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 024
Report Date: 04/26/2017
Spud Date: 01/08/2017
Release Date:
DOE: 56 DOL: 24 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2,963.01
POB: 85 Manhours: 255.00

Current Activity:	FRAC STAGE 18 IN PROGRESS
24 Hr Summary:	WL STG # 17, 18 FRAC STG # 16, 17
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	07:32	1.53	P	STG16	35	STIM	FRAC STAGE # 16: SICP: 2,393 PUMP 61 BBLS 15% HCL; FRW PAD 299,346 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,669 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,410 PSI. FG: 0.85 PSI/FT. ATP: 6,560 PSI. ATR: 78.0 BPM. MTP: 7,925 PSI. MTR: 92.0 BPM. LTR: 8,844 BBLS CLEAN 4,263 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
07:32	12:20	4.80	P	STG17	73	WOOWO	WOOWO
12:20	12:45	0.42	P	STG17	18	OTHR	SWAP WELLS
12:45	14:35	1.83	P	STG17	21	PERF	WL STAGE # 17. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 15,051'. PU & PERF ON THE FLY AT 14,870' - 15,037' PUMPED 389 BBLS. POOH
14:35	15:10	0.58	P	STG17	73	WOOWO	WOOWO
15:10	17:05	1.92	P	STG17	35	STIM	FRAC STAGE # 17: SICP: 2,395 PUMP 61 BBLS 15% HCL; FRW PAD 299,318 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,655 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,224 PSI. FG: 0.83 PSI/FT. ATP: 6,818 PSI. ATR: 85.0 BPM. MTP: 7,868 PSI. MTR: 92.0 BPM. LTR: 8,858 BBLS CLEAN 4,132 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
17:05	22:40	5.58	P	STG18	73	WOOWO	WOOWO
22:40	23:05	0.42	P	STG18	18	OTHR	SWAP WELLS
23:05	00:55	1.83	P	STG18	21	PERF	WL STAGE # 18. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 14,849'. PU & PERF ON THE FLY AT 14,665' - 14,835' PUMPED 385 BBLS. POOH
00:55	03:00	2.08	P	STG18	73	WOOWO	WOOWO
03:00	04:27	1.45	N	STG18	09	EQRP	REPAIR FRAC PUMPS, PRIME AND TEST
04:27	06:00	1.55	P	STG18	35	STIM	FRAC STAGE 18 IN PROGRESS

Daily Operations Comments:

Casing			Fluids	Completion String Details				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			Flowback					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 025
Report Date: 04/27/2017
Spud Date: 01/08/2017
Release Date:
DOE: 57 DOL: 25 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity: WOOWO
24 Hr Summary: WL STG # 19, 20
FRAC STG # 18, 19, 20
24 Hr Forecast: CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:25	0.42	P	STG18	35	STIM	FRAC STAGE # 18: SICP: 2,410 PUMP 30 BBLS 15% HCL; FRW PAD 299,336 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,672 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,122 PSI. FG: 0.82 PSI/FT. ATP: 6,562 PSI. ATR: 82.6 BPM. MTP: 7,846 PSI. MTR: 91.9 BPM. LTR: 8,791 BBLS CLEAN 4,253 PRODUCED. PUMPS IN LINE: 15 LOST: 0 STANDBY: 3
06:25	08:30	2.08	P	STG19	73	WOOWO	WOOWO
08:30	09:10	0.67	P	STG19	18	OTHR	SWAPPING WELLS
09:10	11:00	1.83	P	STG19	21	PERF	WL STAGE # 19. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 14,647'. PU & PERF ON THE FLY AT 14,463' - 14,633' PUMPED 359 BBLS. POOH
11:00	15:24	4.40	P	STG19	73	WOOWO	WOOWO
15:24	17:29	2.08	P	STG19	35	STIM	FRAC STAGE # 19: SICP: 2,425 PUMP 30 BBLS 15% HCL; FRW PAD 299,333 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,672 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,222 PSI. FG: .83 PSI/FT. ATP: 6,112 PSI. ATR: 84.6 BPM. MTP: 7,538 PSI. MTR: 91.4 BPM. LTR: 8,824 BBLS CLEAN 2,160 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
17:29	18:07	0.63	P	STG20	18	OTHR	SWAPPING WELLS
18:07	19:45	1.63	P	STG20	21	PERF	WL STAGE # 20. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 14,445'. PU & PERF ON THE FLY AT 14,264' - 14,431' PUMPED 347 BBLS. POOH
19:45	02:38	6.88	P	STG20	73	WOOWO	WOOWO
02:38	03:15	0.62	N	STG20	09	EQRP	SWAP OUT FRAC PUMP, PRIME AND TEST
03:15	05:10	1.92	P	STG20	35	STIM	FRAC STAGE # 20: SICP: 2,601 PUMP 30 BBLS 15% HCL; FRW PAD 299,323 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,683 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,338 PSI. FG: .85 PSI/FT. ATP: 6,246 PSI. ATR: 83.7 BPM. MTP: 7,801 PSI. MTR: 91.9 BPM. LTR: 8,357 BBLS CLEAN 2,685 PRODUCED. PUMPS IN LINE: 15 LOST: 0 STANDBY: 4
05:10	05:30	0.33	P	STG21	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG21	28	SFTYMTG	PJSM, JSA REVIEW WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments

[illegible]



EP ENERGY

Daily Drilling Report Onshore

Well Name/Wellbore No.:

UNIVERSITY CENTRAL 0112MH/00

Country:

USA

State/OCSG

TEXAS

Field/Permit#:

WOLFCAMP CENTRAL

Supervisors:

DEREK MOTLEY / WESTON WHITE

Engineer/Manager:

WILLIAMS, RYAN / MARES, SERGIO

Report Number:

003

Report Date:

01/10/2017

Spud Date:

01/08/2017

Release Date:

DFS: 1.38

DOL: 2

AFE Days: 8

Last BOP T.:

01/08/2017

Data shared on this report is CONFIDENTIAL

Depth md/tvd (ft):

7,673.02 / 7,647.92

Progress (ft):

3,410.01

ROP:

3,410.0 / 14.50 = 235.17

Proposed TD (ft):

18,376.70

Next Csg Point (ft):

18,407.04

Rig:

NABORS DRILLING/888

Rig Phone:

713-997-1160

RKB (ft):

2,963.01

Ground Level (ft):

2,936.0

POB:

46

Total Man Hours:

414.00

Current Activity:

PU CURVE BHA. PTB = 1° INC | 120° AZM | 3' AHEAD | 32' LEFT. DLN = 12.2°.

24 Hr Summary:

DRILL SIDE-BUILD TO KOP. TRIP FOR CURVE BHA.

24 Hr Forecast:

DRILL CURVE. TRIP FOR LATERAL BHA.

MUD PROPERTIES

MUD MATERIALS

BIT RECORD

CASING

INVENTORY

SOLIDS CONTROL

MUD LOGGING

STRING LOADS

MUD PUMPS

SURVEYS

OPERATION DETAILS

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		<div>Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00</div> <div>Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: DEREK MOTLEY / WESTON WHITE Engineer/Manager: WILLIAMS, RYAN / MARES, SERGIO</div>		<div>Report Number: 004 Report Date: 01/11/2017 Spud Date: 01/08/2017 Release Date: DFS: 2.38 Last BOP T.: 01/08/2017</div> <div>API #: 4238339738 AFE Days: 8</div>					
Data shared on this report is CONFIDENTIAL									
Depth md/tvd (ft): 8,401.02 / 8,149.76 Progress (ft): 728.00 ROP: 728.0 / 14.50 = 50.21 Proposed TD (ft): 18,376.70 Next Csg Point (ft): 18,407.04		Rig: NABORS DRILLING/888 Rig Phone: 713-997-1160 RKB (ft): 2,963.01 Ground Level (ft): 2,936.0 POB: 26 Total Man Hours: 322.00							
Current Activity: LAYING DOWN CURVE BHA. PTB: 8,401' MD 8,144' TVD 89.5° INC 188.5° AZM 16' ABOVE 36' LEFT.									
24 Hr Summary: TIH WITH CURVE BHA. DRILL CURVE. TRIP FOR LATERAL BHA.									
24 Hr Forecast: PU LATERAL BHA & TIH. DRILL LATERAL.									
MUD PROPERTIES		MUD MATERIALS		BIT RECORD					
Fluids Co.: HALLIBURTON Fluids Eng: CJ KIRK				Bit# 2 S/N 5264969 Size (in) 8.75 Mfg BAKER IADC Type VG-20M Model #					
Time: 22:00 Oil Cnt (%): 69 Location: JCTION TANK H2O Cnt (%): 23 Pit Temp (°F): 114 Sand Cnt (%): 0.01 Depth (ft): 8,169.02 MBT (lbm/bbl): 0.0 Density (ppg): 8.80 pH: 0.0 FV (s/qt): 53 Pm (cc): 0.0 PV (cp): 12 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 11 Chloride (ppm): 0 Gels (l): 10/13/14 Calcium (ppm): 0.00 WL (cc/30min): 16.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 740.0 Cake (32nd"): 2.00 LGS (%): 5.50 Solids (lbm/bbl): 57 Ex Lime (ppb): 2.5 ECD (ppg): 9.1 OWR: 75.4 / 24.6		Mud Additives Used OIL ABSORBANT 7 MICA FINE 50 STOPPIT 40 BARACARB 600 57 GELTONE 40 MUD ENGINEER 1 BARO SEAL CLASSIC 20 SUSPENTONE 5 FUEL SURCHARGE 300 CALCIUM CHLORIDE PO 100 SHRINK WRAP 13 INVERMUL 1 DURATONE HT 1 TRANSPORTATION 325 more...		Jets 3X18 Depth In (ft) 7,673 Depth Out (ft) 8,401 Bit Rotations 25/25 On Btm Hrs Cum 14.50 Footage Cum (ft) 728 ROP Cum 50.2 WOB mn/mx (kip) 20 / 70 RPM rot/bit 25 / 25 Bit HP 1.78 HSI 2.39 PSI Drop (psi) 446.08 Jet Vel (ft/s) 238.03 Imp Force 600.21					
MUD LOGGING				Grading I O D L B G O R Bit # Bit # 2					
Trip Gas (units): 0 @ 0 Conn Gas (units): 0 @ 0 Form:		BG Gas (units): 0 Pore Pressure: (%) Surf to Surf: Lag Strokes: Lag Time: (min)							
BHA # 2		STRING LOADS		MUD PUMPS					
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 6,000 Off Btm Torque: 4,000 Str. Wt. Up: 230 Str. Wt. Down: 200 Str. Wt. Rot.: 215 Max Over Pull:			
1	HUGHES VG-20M		8.750	1.00	1.00				
1	RYAN 6-3/4" 2.25° 4/5 7.0 STG FBH		6.750	27.13	28.13				
1	PONY NMDC	3.250	6.750	11.53	39.66				
1	EM TOOL	2.875	6.750	32.09	71.75				
1	FLEX NMDC	2.875	6.500	30.93	102.68				
240	5" DRILL PIPE	4.276	5.000	8,298.34	8,401.02				
Total Length: 8,401.02									
BHA PROPERTIES									
BHA Hrs: 15 Jar Hrs: Cum String Hours: 15 Weight B Jars (kip):									
T GPM (gpm): 550 AV (DC): 394					SPP (psi): 2,550 AV (DP): 287				
SURVEYS									
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)	
7,714		1.25		138.76		7,689		192.78	
7,809		11.69		159.68		7,783		183.00	
7,903		24.19		163.37		7,872		155.61	
7,998		36.31		167.77		7,954		109.44	
8,092		49.31		177.08		8,023		46.41	
8,187		57.94		187.80		8,080		-29.76	
8,281		68.44		193.61		8,122		-112.18	
8,344		79.50		190.27		8,139		-171.48	
OPERATION DETAILS									
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION		
06:00	08:00	2.00	P	DRLPRD	13	TRIP	TIH W/ CURVE BHA TO 4,340'. CIRC BU W/ 340 GPM.		
08:00	09:00	1.00	P	DRLPRD	70	SFTYSYD	HELD SAFETY STAND DOWN W/ EP ENERGY OFFICE PERSONNEL.		
09:00	09:30	0.50	P	DRLPRD	15	CIRC	BEGAN LOSING MUD. REDUCED PUMP RATE & PUMPED 30 BBLS OF 30 PPB LCM PILL. STAGED PUMPS BACK UP TO 350 GPM. FULL RETURNS.		
09:30	11:30	2.00	P	DRLPRD	13	TRIP	TIH TO 7,673'. CIRC BU W/ 350 GPM. HOLE SEEPING.		
11:30	14:00	2.50	P	DRLPRD	07	DRLVERT	DRILL VERTICAL 7,673' - 7,725' [KOP]. PUMPED 25 BBLS THEN 20 BBLS OF 30 PPB LCM PILL.		
14:00	02:00	12.00	P	DRLPRD	09	DRLCRV	DRILL CURVE 7,725' - 8,401'. HOLE SEEPING.		
02:00	03:00	1.00	P	DRLPRD	15	CIRC	C&C HOLE. SPOT 30 BBLS OF 30 PPB LCM PILL. PUMP SLUG.		
03:00	06:00	3.00	P	DRLPRD	13	TRIP	TOOH. LAY DOWN CURVE BHA. (HOLE SLICK & TOOK PROPER FILL DURING TRIP OUT).		
Daily Operations Comments									
UTILIZING DIRECTIONAL PLAN #6. [SPUD WELL @ 21:00 ON 1/8/2017]. (24 HR LOSSES- 110 BBLS OBM) (TOTAL OBM LOST- 370 BBLS).									

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		<div>Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00</div> <div>Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: DEREK MOTLEY / WESTON WHITE Engineer/Manager: WILLIAMS, RYAN / MARES, SERGIO</div>		<div>Report Number: 005 Report Date: 01/12/2017 Spud Date: 01/08/2017 Release Date: DFS: 3.38 Last BOP T.: 01/08/2017</div> <div>API #: 4238339738 AFE Days: 8</div>																																																																																																																					
<div>**Data shared on this report is CONFIDENTIAL**</div>																																																																																																																									
<div>Depth md/tvd (ft): 11,297.02 / 8,116.15 Progress (ft): 2,896.01 ROP: 2,896.0 / 17.50 = 165.49 Proposed TD (ft): 18,376.70 Next Csg Point (ft): 18,407.04</div>		<div>Rig: NABORS DRILLING/888 Rig Phone: 713-997-1160 RKB (ft): 2,963.01 Ground Level (ft): 2,936.0 POB: 26 Total Man Hours: 308.00</div>																																																																																																																							
<div>Current Activity: DRILLING LATERAL @ 11,297'. PTB = 89.5° INC 179.72° AZM 4' ABOVE 28' LEFT. TOTAL LATERAL = 2,915'. 24 Hr Summary: TIH W/ LATERAL BHA. DRILL LATERAL. 24 Hr Forecast: DRILL LATERAL.</div>																																																																																																																									
<div>MUD PROPERTIES</div> <div>Fluids Co.: HALLIBURTON Fluids Eng: CJ KIRK Time: 22:00 Location: JCTION TANK Pit Temp (°F): 118 Depth (ft): 10,081.02 Density (ppg): 8.85 FV (s/qt): 51 PV (cp): 12 YP (lbf/100ft²): 11 Gels (l): 10/13/14 WL (cc/30min): 16.50 HTHP (°F): 250 Cake (32nd"): 2.00 Solids (lbm/bbl): 60 ECD (ppg): 9.4</div>		<div>MUD MATERIALS</div> <div>Mud Additives Used MUD ENGINEER 1 LIME 25 SUSPENTONE 6 BARACARB 150 0 GELTONE 20 STOPPIT 40 DURATONE HT 1 BARITE 41 130 BARACARB 50 50 CALCIUM CHLORIDE PO 100 INVERMUL 1</div>		<div>BIT RECORD</div> <div>Bit# 3 S/N 12862609 Size (in) 8.50 Mfg HALLIBURTON IADC Type Model # MM65D Jets 3X18 6X22 Depth In (ft) 8,401 Depth Out (ft) Bit Rotations 75/75 Op Btm Hrs Cum 17.50 Footage Cum (ft) 2,896 ROP Cum 165.5 WOB mn/mx (kip) 20 / 65 RPM rot/bit 75 / 75 Bit HP 0.83 HSI 0.37 PSI Drop (psi) 59.15 Jet Vel (ft/s) 86.43 Imp Force 241.95 Grading I O D L B G O R Bit # Bit # 3</div>		<div>CASING</div> <div>Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) 27.00 67.00 / 67.00 9.63 922.00 / 922.00 5.50 18,407.04 / 8,050.02</div> <div>INVENTORY</div> <div>Item Inv RIG FUEL 14,679 MUD DIESEL 3,216</div> <div>SOLIDS CONTROL</div> <div>Skr Deck 1 Screens Deck 2 Screens 1 100/// 2 100/// 3 100/100/100/100</div>																																																																																																																			
<div>MUD LOGGING</div> <div>Trip Gas (units): 0 @ 0 Conn Gas (units): 0 @ 0 Form: BG Gas (units): 0 Pore Pressure: (%) Surf to Surf: Lag Strokes: (min) Lag Time: (min)</div>																																																																																																																									
<div>BHA # 3</div> <table><tr><th>Qty</th><th>Item Description</th><th>ID (in)</th><th>OD (in)</th><th>Len (ft)</th><th>Cum (ft)</th></tr><tr><td>1</td><td>HALLIBURTON MM65D [6x22's]</td><td></td><td>8.500</td><td>1.00</td><td>1.00</td></tr><tr><td>1</td><td>RYAN 6 3/4" 7/8 5.0 1.75 FBH MUD</td><td></td><td>6.750</td><td>25.79</td><td>26.79</td></tr><tr><td>1</td><td>PONY DC</td><td>3.250</td><td>6.750</td><td>11.53</td><td>38.32</td></tr><tr><td>1</td><td>EM TOOL</td><td>2.875</td><td>6.750</td><td>32.09</td><td>70.41</td></tr><tr><td>1</td><td>NMDC</td><td>2.875</td><td>6.625</td><td>30.20</td><td>100.61</td></tr><tr><td>90</td><td>5" DP</td><td>4.276</td><td>5.000</td><td>2,839.70</td><td>2,940.31</td></tr><tr><td>1</td><td>AGITATOR</td><td>2.875</td><td>6.750</td><td>13.00</td><td>2,953.31</td></tr><tr><td>1</td><td>SHOCK SUB</td><td>2.875</td><td>6.750</td><td>11.89</td><td>2,965.20</td></tr><tr><td>306</td><td>5" DP</td><td>4.276</td><td>5.000</td><td>8,331.83</td><td>11,297.02</td></tr><tr><td colspan="4">Total Length:</td><td>11,297.02</td><td></td></tr></table>				Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	HALLIBURTON MM65D [6x22's]		8.500	1.00	1.00	1	RYAN 6 3/4" 7/8 5.0 1.75 FBH MUD		6.750	25.79	26.79	1	PONY DC	3.250	6.750	11.53	38.32	1	EM TOOL	2.875	6.750	32.09	70.41	1	NMDC	2.875	6.625	30.20	100.61	90	5" DP	4.276	5.000	2,839.70	2,940.31	1	AGITATOR	2.875	6.750	13.00	2,953.31	1	SHOCK SUB	2.875	6.750	11.89	2,965.20	306	5" DP	4.276	5.000	8,331.83	11,297.02	Total Length:				11,297.02		<div>STRING LOADS</div> <div>On Btm Torque: 15,000 Off Btm Torque: 7,000 Str. Wt. Up: 230 Str. Wt. Down: 185 Str. Wt. Rot.: 210 Max Over Pull: BHA PROPERTIES BHA Hrs: 18 Jar Hrs: Cum String Hours: 18 Weight B Jars (kip):</div>		<div>MUD PUMPS</div> <table><tr><th></th><th>#1</th><th>#2</th><th>#3</th></tr><tr><td>Pump Type:</td><td>DR</td><td>DR</td><td></td></tr><tr><td>Liner ID:</td><td>5.50</td><td>5.50</td><td></td></tr><tr><td>SPM:</td><td>85.00</td><td>85.00</td><td></td></tr><tr><td>GPM:</td><td>305.28</td><td>305.28</td><td></td></tr><tr><td>SPR:</td><td></td><td></td><td></td></tr><tr><td>1 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>2 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td colspan="2">T GPM (gpm): 600</td><td colspan="2">SPP (psi): 4,200</td></tr><tr><td colspan="2">AV (DC): 394</td><td colspan="2">AV (DP): 287</td></tr></table>			#1	#2	#3	Pump Type:	DR	DR		Liner ID:	5.50	5.50		SPM:	85.00	85.00		GPM:	305.28	305.28		SPR:				1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00		T GPM (gpm): 600		SPP (psi): 4,200		AV (DC): 394		AV (DP): 287	
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<div>SURVEYS</div> <table><tr><th>MD (ft)</th><th>Inclination (°)</th><th>Azimuth (°)</th><th>TVD (ft)</th><th>V Section (ft)</th><th>+E/-W (ft)</th><th>+N/-S (ft)</th><th>Dog Leg (°/100ft)</th></tr><tr><td>10,484</td><td>91.00</td><td>180.77</td><td>8,123</td><td>-2,308.98</td><td>-328.89</td><td>-2,305.15</td><td>1.41</td></tr><tr><td>10,579</td><td>90.94</td><td>179.54</td><td>8,122</td><td>-2,403.96</td><td>-329.15</td><td>-2,400.13</td><td>1.30</td></tr><tr><td>10,674</td><td>90.69</td><td>182.71</td><td>8,120</td><td>-2,498.93</td><td>-331.02</td><td>-2,495.09</td><td>3.35</td></tr><tr><td>10,769</td><td>91.56</td><td>182.53</td><td>8,118</td><td>-2,593.86</td><td>-335.36</td><td>-2,589.98</td><td>0.94</td></tr><tr><td>10,863</td><td>91.63</td><td>181.48</td><td>8,116</td><td>-2,687.80</td><td>-338.65</td><td>-2,683.88</td><td>1.12</td></tr><tr><td>10,958</td><td>89.06</td><td>180.95</td><td>8,115</td><td>-2,782.78</td><td>-340.66</td><td>-2,778.85</td><td>2.76</td></tr><tr><td>11,053</td><td>90.88</td><td>180.95</td><td>8,115</td><td>-2,877.78</td><td>-342.24</td><td>-2,873.83</td><td>1.92</td></tr><tr><td>11,147</td><td>89.50</td><td>179.72</td><td>8,115</td><td>-2,971.77</td><td>-342.78</td><td>-2,967.83</td><td>1.97</td></tr></table>								MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)	10,484	91.00	180.77	8,123	-2,308.98	-328.89	-2,305.15	1.41	10,579	90.94	179.54	8,122	-2,403.96	-329.15	-2,400.13	1.30	10,674	90.69	182.71	8,120	-2,498.93	-331.02	-2,495.09	3.35	10,769	91.56	182.53	8,118	-2,593.86	-335.36	-2,589.98	0.94	10,863	91.63	181.48	8,116	-2,687.80	-338.65	-2,683.88	1.12	10,958	89.06	180.95	8,115	-2,782.78	-340.66	-2,778.85	2.76	11,053	90.88	180.95	8,115	-2,877.78	-342.24	-2,873.83	1.92	11,147	89.50	179.72	8,115	-2,971.77	-342.78	-2,967.83	1.97																																										
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<div>OPERATION DETAILS</div> <table><tr><th>FROM</th><th>TO</th><th>HRS</th><th>OP CODE</th><th>PHASE</th><th>CODE</th><th>ACTIVITY</th><th>DESCRIPTION</th></tr><tr><td>06:00</td><td>07:00</td><td>1.00</td><td>P</td><td>DRLPRD</td><td>14</td><td>PULDSTR</td><td>PU LATERAL BHA [8.5" HALLIBURTON MM65D, RYAN 1.75" 7/8 5.0 STG FBH, EM TOOL, AGITATOR & SHOCK SUB @ 30 STANDS IN].</td></tr><tr><td>07:00</td><td>10:00</td><td>3.00</td><td>P</td><td>DRLPRD</td><td>13</td><td>TRIP</td><td>TIH TO 4,848'. CIRC BU & SEEING LOSSES. SPOT 30 BBLS OF 30 PPB LCM PILL ACROSS INTERVAL UP HOLE.</td></tr><tr><td>10:00</td><td>12:00</td><td>2.00</td><td>P</td><td>DRLPRD</td><td>13</td><td>TRIP</td><td>TIH TO BTM BREAKING CIRC EVERY 30 STANDS.</td></tr><tr><td>12:00</td><td>15:00</td><td>3.00</td><td>P</td><td>DRLPRD</td><td>10</td><td>DRLLAT</td><td>DRILL LATERAL 8,401' - 8,929' @ 176 FPH. LOSING APPROX. 5 BPH. [85° @ 8,382].</td></tr><tr><td>15:00</td><td>15:30</td><td>0.50</td><td>P</td><td>DRLPRD</td><td>12</td><td>RIGSVC</td><td>SERVICE RIG.</td></tr><tr><td>15:30</td><td>06:00</td><td>14.50</td><td>P</td><td>DRLPRD</td><td>10</td><td>DRLLAT</td><td>DRILL LATERAL 8,929' - 11,297' @ 163 FPH. LOSING APPROX. 5 BPH.</td></tr></table>								FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION	06:00	07:00	1.00	P	DRLPRD	14	PULDSTR	PU LATERAL BHA [8.5" HALLIBURTON MM65D, RYAN 1.75" 7/8 5.0 STG FBH, EM TOOL, AGITATOR & SHOCK SUB @ 30 STANDS IN].	07:00	10:00	3.00	P	DRLPRD	13	TRIP	TIH TO 4,848'. CIRC BU & SEEING LOSSES. SPOT 30 BBLS OF 30 PPB LCM PILL ACROSS INTERVAL UP HOLE.	10:00	12:00	2.00	P	DRLPRD	13	TRIP	TIH TO BTM BREAKING CIRC EVERY 30 STANDS.	12:00	15:00	3.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL 8,401' - 8,929' @ 176 FPH. LOSING APPROX. 5 BPH. [85° @ 8,382].	15:00	15:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG.	15:30	06:00	14.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL 8,929' - 11,297' @ 163 FPH. LOSING APPROX. 5 BPH.																																																										
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<div>Daily Operations Comments</div> <div>UTILIZING DIRECTIONAL PLAN #6. [SPUD WELL @ 21:00 ON 1/8/2017]. [85° @ 8,382]. (24 HR LOSSES- 120 BBLS OBM) (TOTAL OBM LOST- 590 BBLS).</div>																																																																																																																									

<div><div>EP ENERGY</div><div>Daily Drilling Report Onshore</div></div>				Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00				Report Number: 006 API #: 4238339738											
				Country: USA				Report Date: 01/13/2017											
				State/OCSG: TEXAS				Spud Date: 01/08/2017											
				Field/Permit#: WOLFCAMP CENTRAL				Release Date:											
				Supervisors: DEREK MOTLEY / WESTON WHITE				DFS: 4.38 DOL: 5 AFE Days: 8											
				Engineer/Manager: WILLIAMS, RYAN / MARES, SERGIO				Last BOP T.: 01/08/2017											
Data shared on this report is CONFIDENTIAL																			
Depth md/tvd (ft): 13,663.03 / 8,097.16						Rig: NABORS DRILLING/888													
Progress (ft): 2,366.00						Rig Phone: 713-997-1160													
ROP: 2,366.0 / 23.50 = 100.68						RKB (ft): 2,963.01													
Proposed TD (ft): 18,376.70						Ground Level (ft): 2,936.0													
Next Csg Point (ft): 18,407.04						POB: 35 Total Man Hours: 376.00													
Current Activity: DRILLING LATERAL @ 13,663'. PTB = 92° INC 183° AZM 4' BELOW 30' LEFT. TOTAL LATERAL =5,281'.																			
24 Hr Summary: DRILLING LATERAL.																			
24 Hr Forecast: DRILLING LATERAL.																			
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING							
Fluids Co.: HALLIBURTON								Bit# 3				Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg)							
Fluids Eng: CJ KIRK								S/N 12862609				27.00 67.00 / 67.00							
Time: 22:00				Oil Cnt (%): 68				Size (in) 8.50				9.63 922.00 / 922.00							
Location: JCTION TANK				H2O Cnt (%): 23				Mfg HALLIBURTON				5.50 18,407.04 / 8,050.02							
Pit Temp (°F): 130				Sand Cnt (%): 0.01				IADC Type											
Depth (ft): 12,866.03				MBT (lbm/bbl): 0.0				Model # MM65D											
Density (ppg): 8.85				pH: 0.0				Jets 6X22											
FV (s/qt): 52				Pm (cc): 0.0				Depth In (ft) 8,401											
PV (cp): 12				Pf (cc)/Mf (cc): 0.0 / 0.0				Depth Out (ft) 15,269											
YP (lbf/100ft²): 14				Chloride (ppm): 0				Bit Rotations 75/75											
Gels (l): 12/15/17				Calcium (ppm): 0.00				On Btm Hrs Cum 41.00											
WL (cc/30min): 17.00				LCM (lbm/bbl): 0.0				Footage Cum (ft) 5,262											
HTHP (°F): 250				ES (mV): 800.0				ROP Cum 128.3											
Cake (32nd"): 2.00				LGS (%): 6.00				WOB mn/mx (kip) /											
Solids (lbm/bbl): 61				Ex Lime (ppb): 3.9				RPM rot/bit /											
ECD (ppg): 9.6				OWR: 75.1 / 24.9				Bit HP 0.86											
								HSI 0.38											
								PSI Drop (psi) 61.25											
								Jet Vel (ft/s) 87.95											
								Imp Force 246.20											
								Grading I O D L B G O R											
								Bit #											
								Bit # 3											
MUD LOGGING																			
Trip Gas (units): 0 @ 0				BG Gas (units): 0				Surf to Surf:											
Conn Gas (units) 0 @ 0								Lag Strokes:											
Form:				Pore Pressure: (%)				Lag Time: (min)											
BHA # 3												STRING LOADS				MUD PUMPS			
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 21,000				#1 #2 #3							
1	HALLIBURTON MM65D [6x22's]				8.500	1.00	1.00	Off Btm Torque: 8,000				Pump DR DR							
1	RYAN 6 3/4" 7/8 5.0 1.75 FBH MUD				6.750	25.79	26.79	Str. Wt. Up: 230				Type:							
1	PONY DC			3.250	6.750	11.53	38.32	Str. Wt. Down: 170				Liner ID: 5.50 5.50							
1	EM TOOL			2.875	6.750	32.09	70.41	Str. Wt. Rot.: 210				SPM: 85.00 85.00							
1	NMDC			2.875	6.625	30.20	100.61	Max Over Pull:				GPM: 305.28 305.28							
90	5" DP			4.276	5.000	2,839.70	2,940.31					SPR:							
1	AGITATOR			2.875	6.750	13.00	2,953.31					1 SPM: 0.00 0.00							
1	SHOCK SUB			2.875	6.750	11.89	2,965.20					Pressure: 0.00 0.00							
306	5" DP			4.276	5.000	12,303.83	15,269.03					2 SPM: 0.00 0.00							
Total Length:							15,269.03	BHA PROPERTIES				Pressure: 0.00 0.00							
								BHA Hrs: 24											
								Jar Hrs:											
								Cum String Hours: 41											
								Weight B Jars (kip):											
SURVEYS												T GPM (gpm): 600 SPP (psi): 4,350							
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)					
12,852		92.50		183.59		8,105		-4,674.35		-386.98		-4,669.99		0.33					
12,947		92.06		182.36		8,101		-4,769.20		-391.91		-4,764.79		1.37					
13,041		89.31		180.07		8,100		-4,863.17		-393.90		-4,858.74		3.81					
13,136		89.00		178.66		8,102		-4,958.13		-392.85		-4,953.72		1.52					
13,231		88.50		177.96		8,104		-5,053.03		-390.05		-5,048.66		0.91					
13,326		93.19		182.88		8,102		-5,147.96		-390.74		-5,143.59		7.15					
13,419		87.88		180.42		8,101		-5,240.90		-393.42		-5,236.51		6.29					
13,514		91.19		183.23		8,102		-5,335.86		-396.44		-5,331.43		4.57					
OPERATION DETAILS																			
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION												
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG.												
06:30	06:00	23.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL 11,297' - 13,663' @ 100 FPH. LOSING APPROX. 4 BPH.												
Daily Operations Comments																			
UTILIZING DIRECTIONAL PLAN #6. [SPUD WELL @ 21:00 ON 1/8/2017]. [85° @ 8,382']. (24 HR LOSSES- 100 BBLS OBM). (TOTAL OBM LOST- 690 BBLS).																			

<div><div>EP ENERGY</div><div>Daily Drilling Report Onshore</div></div>				Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00 Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: DEREK MOTLEY / WESTON WHITE Engineer/Manager: WILLIAMS, RYAN / MARES, SERGIO				Report Number: 007 API #: 4238339738 Report Date: 01/14/2017 Spud Date: 01/08/2017 Release Date: DFS: 5.38 DOL: 6 AFE Days: 8 Last BOP T.: 01/08/2017									
Data shared on this report is CONFIDENTIAL																	
Depth md/tvd (ft): 15,269.03 / 8,056.75 Progress (ft): 1,606.00 ROP: 1,606.0 / 22.50 = 71.38 Proposed TD (ft): 18,376.70 Next Csg Point (ft): 18,407.04						Rig: NABORS DRILLING/888 Rig Phone: 713-997-1160 RKB (ft): 2,963.01 Ground Level (ft): 2,936.0 POB: 24 Total Man Hours: 302.00											
Current Activity: CIRCULATING HOLE CLEAN. PTB @ 15,269' = 92.94° INC 182.53° AZM 5' ABOVE 1' RIGHT. TOTAL LATERAL = 6,887'. 24 Hr Summary: DRILL LATERAL TO 15,269'. CIRCULATE HOLE CLEAN. 24 Hr Forecast: TOOHO TO CHANGE OUT BIT AND MOTOR. TIH. DRILL LATERAL.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: HALLIBURTON Fluids Eng: CJ KIRK								Bit# 3 S/N 12862609 Size (in) 8.50 Mfg HALLIBURTON IADC Type Model # MM65D Jets 6X22 Depth In (ft) 8,401 Depth Out (ft) 15,269 Bit Rotations 75/75 On Btm Hrs Cum 63.50 Footage Cum (ft) 6,868 ROP Cum 108.2 WOB mm/mx (kip) / 20 / 75 RPM rot/bit / 75 / 75 Bit HP 0.77 HSI 0.35 PSI Drop (psi) 57.19 Jet Vel (ft/s) 84.99 Imp Force 229.90				Size(in) 27.00 MD(ft)/TVD(ft) 67.00 / 67.00 FIT/LOT(ppg) 9.63 922.00 / 922.00 5.50 18,407.04 / 8,050.02					
Time: 22:00 Oil Cnt (%): 68 Location: JCTION TANK H2O Cnt (%): 23 Pit Temp (°F): 132 Sand Cnt (%): 0.01 Depth (ft): 14,747.03 MBT (lbm/bbl): 0.0 Density (ppg): 8.85 pH: 0.0 FV (s/qt): 54 Pm (cc): 0.0 PV (cp): 12 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 15 Chloride (ppm): 0 Gels (l): 12/16/17 Calcium (ppm): 0.00 WL (cc/30min): 16.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 800.0 Cake (32nd"): 2.00 LGS (%): 6.20 Solids (lbm/bbl): 60 Ex Lime (ppb): 3.9 ECD (ppg): 9.7 OWR: 74.7 / 25.3				Mud Additives Used BARO SEAL CLASSIC 10 BARITE 41 160 LIME 125 GELTONE 7 BARACARB 600 18 MUD ENGINEER 1 CALCIUM CHLORIDE PO 170													
MUD LOGGING												INVENTORY					
Trip Gas (units): 0 @ 0 BG Gas (units): 0 Surf to Surf: Conn Gas (units): 0 @ 0 Lag Strokes: Form: Pore Pressure: (%) Lag Time: (min)												Item Inv RIG FUEL 13,678 MUD DIESEL 5,068					
												SOLIDS CONTROL					
												Skr Deck 1 Screens Deck 2 Screens 1 100/// 2 100/// 3 100/100/100/100					
BHA # 3						STRING LOADS						MUD PUMPS					
Qty Item Description ID (in) OD (in) Len (ft) Cum (ft)						On Btm Torque: 21,000 Off Btm Torque: 11,000 Str. Wt. Up: 245 Str. Wt. Down: 150 Str. Wt. Rot.: 205 Max Over Pull:						#1 #2 #3					
1 HALLIBURTON MM65D [6x22's]												Pump DR DR					
1 RYAN 6 3/4" 7/8 5.0 1.75 FBH MUD												Type:					
1 PONY DC 3.250 6.750 11.53 38.32												Liner ID: 5.50 5.50					
1 EM TOOL 2.875 6.750 32.09 70.41												SPM: 83.00 83.00					
1 NMDC 2.875 6.625 30.20 100.61												GPM: 298.10 298.10					
90 5" DP 4.276 5.000 2,839.70 2,940.31												SPR:					
1 AGITATOR 2.875 6.750 13.00 2,953.31												1 SPM: 0.00 0.00					
1 SHOCK SUB 2.875 6.750 11.89 2,965.20												Pressure: 0.00 0.00					
306 5" DP 4.276 5.000 12,303.83 15,269.03												2 SPM: 0.00 0.00					
Total Length: 15,269.03												Pressure: 0.00 0.00					
						BHA PROPERTIES											
						BHA Hrs: 23											
						Jar Hrs:											
						Cum String Hours: 64											
						Weight B Jars (kip):											

EP ENERGY

Daily Drilling
Report Onshore

Well Name/Wellbore No.:

UNIVERSITY CENTRAL 0112MH/00

Country:

USA

State/OCSG

TEXAS

Field/Permit#:

WOLFCAMP CENTRAL

Supervisors:

DEREK MOTLEY / WESTON WHITE

Engineer/Manager:

WILLIAMS, RYAN / MARES, SERGIO

Report Number:

008

API #: 4238339738

Report Date:

01/15/2017

Spud Date:

01/08/2017

Release Date:

DFS: 6.38

DOL: 7

AFE Days: 8

Last BOP T.:

01/08/2017

Data shared on this report is CONFIDENTIAL

Depth md/tvd (ft):16,495.03 / 8,052.82

Progress (ft):1,226.00

ROP:1,226.0 / 8.00 = 153.25

Proposed TD (ft):18,376.70

Next Csg Point (ft):18,402.04

Rig: NABORS DRILLING/888

Rig Phone: 713-997-1160

RKB (ft):2,963.01

Ground Level (ft):2,936.0

POB:28

Total Man Hours:324.00

Current Activity: DRILLING LATERAL @ 16,495'. PTB = 90° INC | 181° AZM | 2' ABOVE | 32' LEFT. TOTAL LATERAL = 8,113'.

24 Hr Summary: TOOH. CHANGE OUT BIT AND MOTOR. TIH WITH BHA #4. DRILL LATERAL.

24 Hr Forecast: DRILL LATERAL TO TD. C&C HOLE. POOH.

MUD PROPERTIES

Fluids Co.: HALLIBURTON

Fluids Eng: CJ KIRK

Time: 22:00

Location: JCTION TANK

Pit Temp (°F): 128

Depth (ft): 15,275.03

Density (ppg): 8.85

FV (s/qt): 56

PV (cp): 12

YP (lb/100ft²): 11

Gels (l): 9/13/14

WL (cc/30min): 16.00

HTHP (°F): 250

Cake (32nd"): 2.00

Solids (lbm/bbl): 61

ECD (ppg): 9.6

MUD MATERIALS

Mud Additives

Used

SHRINK WRAP14

CEDAR FIBER6

MUD ENGINEER1

BARACARB 15020

TRANSPORTATION676

FUEL SURCHARGE600

OIL ABSORBANT3

RESTOCKING FEE250

MUD LOGGING

Trip Gas (units):0 @ 0

Conn Gas (units):0 @ 0

Form:

BG Gas (units):0

Pore Pressure:(%)

Surf to Surf:

Lag Strokes:

Lag Time:(min)

BIT RECORD

Bit#3

S/N12862609

Size (in)8.50

MfgHALLIBURTON

IADC Type

Model #MM65D

Jets6X22

Depth In (ft)8,401

Depth Out (ft)15,269

Bit Rotations75/75

Op Btm Hrs Cum0.00

Footage Cum (ft)1,226

ROP Cum153.3

WOB mn/mx (kip)20 / 75

RPM rot/bit75 / 75

Bit HP0.74

HSI0.33

PSI Drop (psi)57.19

Jet Vel (ft/s)84.99

Imp Force221.12

Grading

Bit #3

Bit #4

3

4

12751431

8.50

HALLIBURTON

MM65D

6X22

15,269

18,402

65/70

8.00

1,226

153.3

20 / 70

65 / 70

0.69

0.31

52.90

81.74

212.67

I O D L B G O R

1 5 BT S X I CT PR

CASING

Size(in)27.00

MD(ft)/TVD(ft)67.00 / 922.00

FIT/LOT(ppg)67.00 / 922.00

5.5018,402.04 / 8,050.02

INVENTORY

ItemRIG FUEL

Inv14,481

ItemMUD DIESEL

Inv7,540

SOLIDS CONTROL

SkrDeck 1 ScreensDeck 2 Screens

1100///

2100///

3100/100/100/100

BHA # 4

QtyItem DescriptionID (in)OD (in)Len (ft)Cum (ft)

1HALLIBURTON MM65D [6x22's]8.5001.001.00

1NOV 6-3/4" 7/8 5.0 1.75 FBH MUD7.75026.5027.50

1PONY DC3.2506.75011.5339.03

1EM TOOL2.8756.75032.0971.12

1NMDC2.8756.62530.20101.32

905" DP4.2765.0002,839.702,941.02

1AGITATOR2.8756.75013.002,954.02

1SHOCK SUB2.8756.75011.892,965.91

3065" DP4.2765.00015,436.1318,402.04

Total Length:18,402.04

STRING LOADS

On Btm Torque:21,000

Off Btm Torque:11,000

Str. Wt. Up:245

Str. Wt. Down:150

Str. Wt. Rot.:205

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

Jar Hrs:

Cum String Hours:64

Weight B Jars (kip):

MUD PUMPS

#1#2#3

PumpDRDR

Type:

Liner ID:5.505.50

SPM:79.0079.00

GPM:283.73283.73

SPR:

1 SPM:0.000.00

Pressure:0.000.00

2 SPM:0.000.00

Pressure:0.000.00

T GPM (gpm):585SPP (psi):4,300

AV (DC):418AV (DP):294

SURVEYS

MD (ft)Inclination (°)Azimuth (°)TVD (ft)V Section (ft)+E/-W (ft)+N/-S (ft)Dog Leg (°/100ft)

15,68690.88178.318,054-7,504.59-469.37-7,499.441.27

15,78089.13178.498,054-7,598.51-466.74-7,593.401.87

15,87489.44178.668,055-7,692.44-464.40-7,687.360.38

15,96890.56178.668,055-7,786.37-462.21-7,781.331.19

16,06290.88177.438,054-7,880.27-459.00-7,875.271.35

16,15690.06178.668,053-7,974.16-455.79-7,969.211.57

16,25189.81181.308,053-8,069.14-455.76-8,064.202.79

16,34689.94181.488,053-8,164.14-458.07-8,159.170.23

OPERATION DETAILS

FROMTOHRSOP CODEPHASECODEACTIVITYDESCRIPTION

06:0006:300.50PDRLPRD15CIRCCIRCULATE HOLE CLEAN RECIPROCATING PIPE 95' WITH 80 RPM AND 600 GPM

06:3007:000.50PDRLPRD13TRIPTOOH. PULLED UP TO 100K OVER IN TIGHT SPOTS COMING OFF BTM TO 13,612'.

07:0012:005.00PDRLPRD13TRIPTOOH TO SURFACE. LAY DOWN BIT #3 & MUD MOTOR.

12:0013:001.00PDRLPRD14PULDSTRPU BACKUP 8.5" HALLIBURTON MM65D, NOV 1.75" 7/8 5.0 STG FBH, EM TOOL, AGITATOR & SHOCK SUB @ 30 STANDS IN.

13:0014:001.00PDRLPRD17CUTSLIPSLIP & CUT DRILL LINE.

14:0020:306.50PDRLPRD13TRIPTIH TO 5,415'. CIRC & SPOT 30 BBLs OF 25 PPB LCM PILL ACROSS THIEF ZONE. CONTINUE TIH TO BOTTOM WHILE BREAKING CIRC EVERY 30 STANDS.

20:3022:001.50PDRLPRD15CIRCONCE ON BOTTOM HOLE STARTED PACKING OFF. RACK ONE STAND BACK & CIRCULATE BOTTOMS UP RECIPROCATING PIPE 95' WITH 580 GPM AND 70 RPM.

22:0006:008.00PDRLPRD10DRLLATDRILL LATERAL 15,269' - 16,495' @ 153 FPH. LOSING APPROX 2-3 BPH.

Daily Operations Comments

UTILIZING DIRECTIONAL PLAN #6. [SPUD WELL @ 21:00 ON 1/8/2017]. [85° @ 8,382']. (24 HR LOSSES- 30 BBLs OBM). (TOTAL OBM LOST- 770 BBLs).



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 027
Report Date: 04/29/2017
Spud Date: 01/08/2017
Release Date:
DOE: 59 DOL: 27 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity:	WL STAGE # 25 IN PROGRESS
24 Hr Summary:	WL STG # 24 FRAC STG # 23, 24
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	08:48	2.80	P	STG23	73	WOOWO	WOOWO
08:48	10:40	1.87	P	STG23	35	STIM	FRAC STAGE # 23: SICP: 2,403 PUMP 61 BBLS 15% HCL; FRW PAD 299,341 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,649 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,162 PSI. FG: 0.82 PSI/FT. ATP: 6,269 PSI. ATR: 82.9 BPM. MTP: 7,566 PSI. MTR: 92.6 BPM. LTR: 8,361 BBLS CLEAN 2,925 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
10:40	12:40	2.00	P	STG24	73	WOOWO	WOOWO
12:40	13:00	0.33	P	STG24	18	OTHR	SWAPPING WELLS
13:00	14:35	1.58	P	STG24	21	PERF	WL STAGE # 24. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 13,637'. PU & PERF ON THE FLY AT 13,453' - 13,623' PUMPED 314 BBLS. POOH
14:35	03:10	12.58	P	STG24	73	WOOWO	WOOWO
03:10	05:07	1.95	P	STG24	35	STIM	FRAC STAGE # 24: SICP: 2,461 PUMP 61 BBLS 15% HCL; FRW PAD 299,322 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 187 BBLS VISCOSIFIED 15% HCL; 100,683 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,175 PSI. FG: 0.83 PSI/FT. ATP: 6,146 PSI. ATR: 83.3 BPM. MTP: 7,887 PSI. MTR: 90.4 BPM. LTR: 8,570 BBLS CLEAN 2,942 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
05:07	05:18	0.18	P	STG25	18	OTHR	SWAPPING WELLS
05:18	06:00	0.70	P	STG25	21	PERF	WL STAGE # 25 IN PROGRESS

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS					
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/			Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00	67.00		Pit Temp:					
9.625	922.00	922.00		Density:					
				Brine Type:					
				Gel Type:					
				Viscosity:					
				Nitrogen:					
				NTU:					
				FLOWBACK					
				Gas Rate:					
				Choke Size:					
				Avg. Tbg. Press:					
				Avg. Csg. Press:					
				Fluid Rate (Water):					
				Fluid Rate (Oil):					
				Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 028
Report Date: 04/30/2017
Spud Date: 01/08/2017
Release Date:
DOE: 60 DOL: 28 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2,963.01
POB: 85 Manhours: 255.00

Current Activity:	WOOWO
24 Hr Summary:	WL STG # 25, 26 FRAC STG # 25
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	07:00	1.00	P	STG25	21	PERF	WL STAGE # 25. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 13,435'. PU & PERF ON THE FLY AT 13,251' - 13,421' PUMPED 303 BBLS. POOH
07:00	17:30	10.50	P	STG25	73	WOOWO	WOOWO
17:30	18:00	0.50	P	STG25	28	SFTYMTG	PJSM, JSA REVIEW WITH NIGHT CREW
18:00	18:22	0.37	P	STG25	73	WOOWO	WOOWO
18:22	20:15	1.88	P	STG25	18	OTHR	CONTINUE TESTING ALL WING VALVES, MASTER VALVES, CROWN VALVES AND ZIPPER VALVES TO ENSURE INTEGRITY
20:15	01:14	4.98	P	STG25	73	WOOWO	WOOWO
01:14	01:28	0.23	P	STG25	18	OTHR	SWAPPING WELLS
01:28	03:32	2.07	P	STG25	35	STIM	FRAC STAGE # 25: SICP: 2,651 PUMP 61 BBLS 15% HCL; FRW PAD 299,335 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 191 BBLS VISCOSIFIED 15% HCL; 100,669 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,353 PSI. FG: 0.85 PSI/FT. ATP: 6,403 PSI. ATR: 82.0 BPM. MTP: 7,781 PSI. MTR: 91.0 BPM. LTR: 9,220 BBLS CLEAN 4,344 PRODUCED. PUMPS IN LINE: 15 LOST: 0 STANDBY: 4
03:32	03:44	0.20	P	STG26	18	OTHR	SWAPPING WELLS
03:44	05:15	1.52	P	STG26	21	PERF	WL STAGE # 26. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 13,233'. PU & PERF ON THE FLY AT 13,049' - 13,219' PUMPED 264 BBLS. POOH
05:15	05:30	0.25	P	STG26	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG26	28	SFTYMTG	PJSM, JSA REVIEW WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS					
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/			Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00	67.00		Pit Temp:					
9.625	922.00	922.00		Density:					
				Brine Type:					
				Gel Type:					
				Viscosity:					
				Nitrogen:					
				NTU:					
				FLOWBACK					
				Gas Rate:					
				Choke Size:					
				Avg. Tbg. Press:					
				Avg. Csg. Press:					
				Fluid Rate (Water):					
				Fluid Rate (Oil):					
				Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: HEBERT / NELSON / FETTEROLF / MULL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 029
Report Date: 05/01/2017
Spud Date: 01/08/2017
Release Date:
DOE: 61 DOL: 29 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2,963.01
POB: 85 Manhours: 255.00

Current Activity:	WOOWO
24 Hr Summary:	FRAC STG # 26, 27 WL STG # 27, 28
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	15:34	9.57	P	STG26	73	WOOWO	WOOWO
15:34	15:53	0.32	P	STG26	18	OTHR	SWAPPING WELLS
15:53	17:48	1.92	P	STG26	35	STIM	FRAC STAGE # 26: SICP: 2,423 PUMP 30 BBLS 15% HCL; FRW PAD 299,334 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,677 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,357 PSI. FG: 0.85 PSI/FT. ATP: 6,448 PSI. ATR: 81.1 BPM. MTP: 7,668 PSI. MTR: 90.9 BPM. LTR: 8,375 BBLS CLEAN 3,632 PRODUCED. PUMPS IN LINE: 14 LOST: 0 STANDBY: 4
17:48	18:05	0.28	P	STG27	18	OTHR	SWAPPING WELLS
18:05	19:30	1.42	P	STG27	21	PERF	WL STAGE # 27. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 13,031'. PU & PERF ON THE FLY AT 12,847' - 13,017' PUMPED 249 BBLS. POOH
19:30	01:50	6.33	P	STG27	73	WOOWO	WOOWO
01:50	02:04	0.23	P	STG27	18	OTHR	SWAPPING WELLS
02:04	03:57	1.88	P	STG27	35	STIM	FRAC STAGE # 27: SICP: 2,580 PUMP 31 BBLS 15% HCL; FRW PAD 299,328 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 187 BBLS VISCOSIFIED 15% HCL; 100,677 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,441 PSI. FG: 0.86 PSI/FT. ATP: 6,448 PSI. ATR: 83.8 BPM. MTP: 7,872 PSI. MTR: 91.8 BPM. LTR: 8,395 BBLS CLEAN 3,861 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3
03:57	04:10	0.22	P	STG28	18	OTHR	SWAPPING WELLS
04:10	05:35	1.42	P	STG28	21	PERF	WL STAGE # 28. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 12,829'. PU & PERF ON THE FLY AT 12,646' - 12,815' PUMPED 250 BBLS. POOH
05:35	06:00	0.42	P	STG28	28	SFTYMTG	PJSM, JSA REVIEW WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments

<div><div>EPENERGY</div><div>Daily Operations Report Onshore</div></div>				Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00				Report Number: 030 Report Date: 05/02/2017 Spud Date: 01/08/2017 Release Date: DOE: 62 DOL: 30 AFE Days: 8.00 Last BOP T.: CSG Test:				
Event: COMPLETION LAND				API #: 4238339738								
Safety Meeting Topic:				Rig:								
Location: Lat: 31° 9' 23.11035 N				Rig Phone:								
Long: 101° 41' 7.17854 W				KB(ft): 2,963.01								
				POB: 85 Manhours: 255.00								
Current Activity: WOOWO												
24 Hr Summary: FRAC STG # 28, 29												
WL STG # 29, 30												
24 Hr Forecast: CONTINUE FRAC OPERATIONS												
OPERATION DETAILS												
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION					
06:00	10:13	4.22	P	STG28	73	WOOWO	WOOWO					
10:13	10:33	0.33	P	STG28	18	OTHR	SWAPPING WELLS					
10:33	10:55	0.37	N	STG28	18	OTHR	GREASEING WELL AND ZIPPER					
10:55	12:43	1.80	P	STG28	35	STIM	FRAC STAGE # 28: SICP: 2,516 PUMP 28 BBLS 15% HCL; FRW PAD 299,363 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 187 BBLS VISCOSIFIED 15% HCL; 100,669 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,323 PSI. FG: 0.84 PSI/FT. ATP: 6,038 PSI. ATR: 85.6 BPM. MTP: 7,670 PSI. MTR: 92.1 BPM. LTR: 8,381 BBLS CLEAN 2,127 PRODUCED. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3					
12:43	13:05	0.37	P	STG29	18	OTHR	SWAPPING WELLS					
13:05	14:30	1.42	P	STG29	21	PERF	WL STAGE # 29. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 12,627'. PU & PERF ON THE FLY AT 12,646' - 12,443' PUMPED 257 BBLS. POOH					
14:30	14:45	0.25	P	STG29	18	OTHR	GREASE FRAC STACK					
14:45	20:14	5.48	P	STG29	73	WOOWO	WOOWO					
20:14	20:53	0.65	N	STG29	18	OTHR	PULL OUT PUMPS FOR MAINTENANCE, PRIME AND TEST					
20:53	22:47	1.90	P	STG29	35	STIM	FRAC STAGE # 29: SICP: 2,460 PUMP 30 BBLS 15% HCL; FRW PAD 299,341 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 190 BBLS VISCOSIFIED 15% HCL; 100,671 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,325 PSI. FG: 0.84 PSI/FT. ATP: 6,129 PSI. ATR: 81.6 BPM. MTP: 7,831 PSI. MTR: 91.0 BPM. LTR: 8,467 BBLS CLEAN 3,216 PRODUCED. PUMPS IN LINE: 15 LOST: 0 STANDBY: 4					
22:47	23:01	0.23	P	STG30	18	OTHR	SWAPPING WELLS					
23:01	00:24	1.38	P	STG30	21	PERF	WL STAGE # 30. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 12,421'. PU & PERF ON THE FLY AT 12,241' - 12,411' PUMPED 222 BBLS. POOH					
00:24	05:30	5.10	P	STG30	73	WOOWO	WOOWO					
05:35	06:00	0.42	P	STG30	28	SFTYMTG	PJSM, JSA REVIEW WITH DAY CREW					
Daily Operations Comments:												
CASING			FLUIDS				COMPLETION STRING DETAILS					
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:				Down Hole Tool Co:		Tool Sup:			
	/		Fluids Eng:				Qty	Description	ID	OD	Top Set	
14.000	67.00 / 67.00		Pit Temp:									
9.625	922.00 / 922.00		Density:									
			Brine Type:									
			Gel Type:									
			Viscosity:									
			Nitrogen:									
			NTU:									
			FLOWBACK									
			Gas Rate:									
			Choke Size:									
			Avg. Tbg. Press:									
			Avg. Csg. Press:									
			Fluid Rate (Water):									
			Fluid Rate (Oil):									
			Tot. Load Recovered:									
PERFORATIONS												
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments					



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: SHIELD / QUALLS / DELOLLADO / BAILEY
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 032
Report Date: 05/04/2017
Spud Date: 01/08/2017
Release Date:
DOE: 64 DOL: 32 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity:	WAIT ON TORQUE UNIT
24 Hr Summary:	FRAC STGS 33, 34 & PERF STGS 33, 34
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:25	0.42	P	STG33	73	WOOWO	WOOWO
06:25	07:45	1.33	P	STG33	21	PERF	WL STAGE # 33. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 11,819'. PU & PERF ON THE FLY AT 11,633' - 11,788' PUMPED 224 BBLS. POOH
07:45	13:17	5.53	P	STG33	73	WOOWO	WOOWO
13:17	14:21	1.07	P	STG33	18	OTHR	WATER TRANSFER SHUT DOWN DOING SCHEDULE PUMP MAINT.
14:21	16:18	1.95	P	STG33	35	STIM	FRAC STAGE # 33: SICP: 2514 PUMP 30 BBLS 15% HCL; FRW PAD 299,331 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 190 BBLS VISCOSIFIED 15% HCL; 100,669 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3050 PSI. FG: 0.81 PSI/FT. ATP:5743 PSI. ATR: 81 BPM. MTP: 7633 PSI. MTR: 92 BPM. LTR: 8467 BBLS CLEAN4014 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 4
16:18	16:30	0.20	P	STG33	73	WOOWO	SWAPPING WELLS
16:30	17:30	1.00	P	STG34	21	PERF	WL STAGE # 34. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 11,617'. PU & PERF ON THE FLY AT 11,433' - 11,602' PUMPED 217 BBLS. POOH
17:30	18:00	0.50	P	STG34	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW, DAY CREW FINISH PERF RUN OM MH STG 34
18:00	00:02	6.03	P	STG34	73	WOOWO	WOOWO
00:02	01:54	1.87	P	STG34	35	STIM	FRAC STAGE # 34: SICP: 2,859 PUMP 30 BBLS 15% HCL; FRW PAD 299,322 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 189 BBLS VISCOSIFIED 15% HCL; 100,674 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,260 PSI. FG: 0.84 PSI/FT. ATP: 5,676 PSI. ATR: 82.6 BPM. MTP: 7,697 PSI. MTR: 91.4 BPM. LTR: 8,417 BBLS CLEAN 2,962 PRODUCED. PUMPS IN LINE: 16 LOST:0 STANDBY: 3
01:54	03:20	1.43	P	STG34	18	OTHR	MAINT ON FRAC EQUIPMENT, REHEAD WIRELINE, GREASE & TORQUE STACK AND ZIPPER MANIFOLD
03:20	05:30	2.17	N	STG34	18	OTHR	TORQUE MACHINE IS BROKEN, REPLACEMENT IN ROUTE
05:30	06:00	0.50	N	STG34	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
14.000	67.00 / 67.00		Fluids Eng:	Qty	Description	ID	OD	Top Set
9.625	922.00 / 922.00		Pit Temp:					
			Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: SHIELD / QUALLS / DELOLLADO / BAILEY
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 033
Report Date: 05/05/2017
Spud Date: 01/08/2017
Release Date:
DOE: 65 DOL: 33 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity: WOOWO
24 Hr Summary: FRAC STG 35 & PERF STGS 35, 36
24 Hr Forecast: CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	07:30	1.50	N	STG35	42	WOEP	WAITING ON WEIR TORQUE WRENCHES
07:30	10:00	2.50	P	STG35	18	OTHR	PERFORMING SCHEDULED MAINT ON STACK AND ZIPPER, TORQUING BOLTS
10:00	11:35	1.58	P	STG35	21	PERF	WL STAGE # 35. RU WL ON WELL. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 11,617'. PU & PERF ON THE FLY AT 11,433' - 11,402' PUMPED 200 BBLs. POOH
11:35	17:30	5.92	P	STG35	73	WOOWO	WOOWO
17:30	18:00	0.50	P	STG35	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW, DISCUSS GOOD HAND OVER
18:00	18:50	0.83	P	STG35	73	WOOWO	WOOWO
18:50	20:50	2.00	P	STG35	35	STIM	FRAC STAGE # 35: SICP: 2840 PUMP 30 BBLs 15% HCL; FRW PAD 299,327 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLs VISCOSIFIED 15% HCL; 100643 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLs. ISIP: 3348 PSI. FG: 0.85 PSI/FT. ATP: 5898 PSI. ATR: 77.9 BPM. MTP: 5898 PSI. MTR: 91.1 BPM. LTR: 8547 BBLs CLEAN 2785 PRODUCED. PUMPS IN LINE: 16 LOST:0 STANDBY: 3
20:50	21:08	0.30	P	STG36	24	PULD	REHEAD, PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
21:08	22:35	1.45	P	STG36	21	PERF	WL STAGE # 36. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 11,215'. PU & PERF ON THE FLY AT 11,029' - 11,198' PUMPED 159 BBLs. POOH
22:35	05:30	6.92	P	STG36	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG36	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)		Down Hole Tool Co:		Tool Sup:		
	/		Fluids Co:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Fluids Eng:					
9.625	922.00 / 922.00		Pit Temp:					
			Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Report Number: 034
Report Date: 05/06/2017
Spud Date: 01/08/2017
Release Date:
DOE: 66 DOL: 34 AFE Days: 8.00
Last BOP T.: CSG Test:

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity:	WOOWO
24 Hr Summary:	FRAC STG 36 & PERF STG 37
24 Hr Forecast:	CONTINUE FRAC OPERATIONS

OPERATION DETAILS

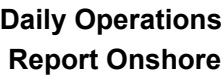
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	08:08	2.13	P	STG36	73	WOOWO	WOOWO
08:08	09:30	1.37	N	STG36	35	STIM	SWAP OUT PUMPS PRIME AND TEST
09:30	17:10	7.67	P	STG36	73	WOOWO	WOOWO
17:10	19:17	2.12	P	STG36	35	STIM	FRAC STAGE # 36: SICP: 2686 PUMP 30 BBLS 15% HCL; FRW PAD 299328 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100687 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3213 PSI. FG: 0.83 PSI/FT. ATP: 6029 PSI. ATR: 79.3 BPM. MTP: 7494 PSI. MTR: 90.4 BPM. LTR: 8574 BBLS CLEAN 3137 PRODUCED. PUMPS IN LINE: 16 LOST:0 STANDBY: 3
19:17	19:45	0.47	P	STG37	24	PULD	PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
19:45	21:35	1.83	P	STG37	21	PERF	WL STAGE # 37. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 11,011'. PU & PERF ON THE FLY AT 10,827' - 10,996' PUMPED 173 BBLS. POOH
21:35	05:30	7.92	P	STG37	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG37	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: SHIELD / QUALLS / DELOLLADO / BAILEY
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 035
Report Date: 05/07/2017
Spud Date: 01/08/2017
Release Date:
DOE: 67 DOL: 35 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity: PERF STG 39
24 Hr Summary: FRAC STGS 37, 38 & PERF STG 38
24 Hr Forecast: CONTINUE FRAC OPERATIONS

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	14:28	8.47	P	STG37	73	WOOWO	WOOWO
14:28	16:26	1.97	P	STG37	35	STIM	FRAC STAGE # 37: SICP: 2290 PUMP 30 BBLS 15% HCL; FRW PAD 299361 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100658 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,175 PSI. FG: 0.83 PSI/FT. ATP: 5880 PSI. ATR: 80.0 BPM. MTP: 7218 PSI. MTR: 91.0 BPM. LTR: 8436 BBLS CLEAN 3492 PRODUCED. PUMPS IN LINE: 16 LOST:0 STANDBY: 3
16:26	16:35	0.15	P	STG38	73	WOOWO	WOOWO
16:35	17:30	0.92	P	STG38	21	PERF	START WL STAGE # 38. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 10,809'. PU & PERF ON THE FLY AT 10,625' - 10,794' PUMPED 158 BBLS. POOH
17:30	18:00	0.50	P	STG38	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW, DISCUSS VEHICLE BACKING AND TEAM WORK, DAY CREW FINISH STG 38 W/L RUN
18:00	18:05	0.08	P	STG38	21	PERF	FINISH POOH FOR STG 38 PERF
18:05	23:35	5.50	P	STG38	73	WOOWO	WOOWO
23:35	02:00	2.42	P	STG38	18	OTHR	SCHEDULE MAINTENANCE FOR CUDD FRAC.
02:00	03:37	1.62	N	STG38	18	OTHR	SHUTDOWN DUE LEAK ON M ZIPPER.
03:37	05:32	1.92	P	STG38	35	STIM	FRAC STAGE # 38: SICP: 2504 PUMP 30 BBLS 15% HCL; FRW PAD 299316 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100581 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3486 PSI. FG: 0.86 PSI/FT. ATP: 5887 PSI. ATR: 81.9 BPM. MTP: 7707 PSI. MTR: 91.0 BPM. LTR: 8435 BBLS CLEAN 2570 PRODUCED. PUMPS IN LINE: 16 LOST:0 STANDBY: 3
05:32	05:45	0.22	P	STG39	24	PULD	PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
05:45	06:00	0.25	P	STG39	21	PERF	RIH TO PERF STG 39

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS							
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: M.DEGOLLADO / B.BAILY / M.SHIELD / R.QUALLEN
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 009
Report Date: 04/11/2017
Spud Date: 01/08/2017
Release Date:
DOE: 41 DOL: 9 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #:	4238339738
Rig:	
Rig Phone:	
KB(ft):	2,963.01
POB: 11	Manhours: 17.00

Current Activity:	CONT R/U IRON, WAITING ON SILOS
24 Hr Summary:	R/U WHAT THEY CAN WITHOUT SILOS IN PLACE, RECIEVE LOAD OF DIESEL FOR FRAC FUEL, R/U IRON FROM ZIPPER TO FRAC STACK, R/U 2" RETURN IRON AND MANIFOLD, R/U 3" GROAND IRON, WEIR R/U HOSES TO GREASE VALVES.
24 Hr Forecast:	SPOT AND STAND UP SILOS, MOVE IN PUMPS AND BACK SIDE, START PRE-FILL ON SILOS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
07:00	08:00	1.00	P	MIRU	28	SFTYMTG	CONDUCTED JSA MEETING
08:00	17:30	9.50	P	MIRU	01	MIRU	CONT R/U FRAC IRON FROM STACK TO ZIPPER, MONITOR PROGRESS ON SILO REPAIR, CONT R/U 4" SUCTION HOSES
17:30	18:00	0.50	P	MIRU	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW
18:00	18:00	0.00	P	MIRU	01	MIRU	CONT R/U FRAC IRON FROM STACK TO ZIPPER, FILL FUEL TANK
18:00	05:30	11.50	P	MIRU	01	MIRU	CONT WORK ON 4" IRON, R/U ALL 2" FLOW BACK IRON AND MANIFOLD, R/U SOME 3" PUMP DOWN IRON, RUN WEIR GREASE HOSES FROM VALVES TO GROUND
05:30	06:00	0.50	P	MIRU	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS					
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/			Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00	67.00		Pit Temp:					
9.625	922.00	922.00		Density:					
				Brine Type:					
				Gel Type:					
				Viscosity:					
				Nitrogen:					
				NTU:					
				FLOWBACK					
				Gas Rate:					
				Choke Size:					
				Avg. Tbg. Press:					
				Avg. Csg. Press:					
				Fluid Rate (Water):					
				Fluid Rate (Oil):					
				Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: SHIELD / QUALLS / RAMIREZ / BAILEY
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 037
Report Date: 05/09/2017
Spud Date: 01/08/2017
Release Date:
DOE: 69 DOL: 37 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity: WOOWO
24 Hr Summary: FRAC STGS 41, 42 & PERF STGS 42, 43
24 Hr Forecast: CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	11:10	5.17	P	STG41	73	WOOWO	WOOWO
11:10	11:44	0.57	N	STG41	09	EQRP	START FRAC STAGE # 41: IN 1PPG 100 MESH COOLANT HOSE TO DISCHARGE PUMPSTARTED LEAKING CUT SAND FLUSHED WELL SD REPAIRED HOSE AND LEAKING SEAL ON TRANSDUCER ON THE LH WELL
11:44	13:49	2.08	P	STG41	35	STIM	RESUME FRAC STAGE # 41: SICP: 2499 PUMP 30 BBLS 15% HCL; FRW PAD 299344 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 193 BBLS VISCOSIFIED 15% HCL; 100681 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3582 PSI. FG: 0.88 PSI/FT. ATP: 5,190 PSI. ATR: 63 BPM. MTP: 7582 PSI. MTR: 91.0 BPM. LTR: 9584 BBLS CLEAN 2174 PRODUCED. PUMPS IN LINE: 16 LOST:0 STANDBY: 3
13:49	17:30	3.68	P	STG42	73	WOOWO	WOOWO
17:30	18:00	0.50	P	STG42	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW
18:00	18:35	0.58	P	STG42	73	WOOWO	WOOWO
18:35	19:06	0.52	P	STG42	24	PULD	PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
19:06	20:08	1.03	P	STG42	21	PERF	WL STAGE # 42. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 10,002'. PU & PERF ON THE FLY AT 9,818' - 9,984' PUMPED 110 BBLS. POOH
20:08	22:00	1.87	P	STG42	73	WOOWO	WOOWO
22:00	23:54	1.90	P	STG42	35	STIM	FRAC STAGE # 42: SICP: 2,557 PUMP 61 BBLS 15% HCL; FRW PAD 299,333 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 191 BBLS VISCOSIFIED 15% HCL; 100,675 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,529 PSI. FG: 0.87 PSI/FT. ATP: 5,708 PSI. ATR: 83.1 BPM. MTP: 7,358 PSI. MTR: 90.9 BPM. LTR: 8,653 BBLS CLEAN 2,106 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 3
23:54	02:50	2.93	P	STG43	73	WOOWO	WOOWO
02:50	03:11	0.35	P	STG43	24	PULD	PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
03:11	04:10	0.98	P	STG43	21	PERF	WL STAGE # 43. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 9,799'. PU & PERF ON THE FLY AT 9,615' - 9,784' PUMPED 93 BBLS. POOH
04:10	05:30	1.33	P	STG43	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG43	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: SHIELD / QUALLS / RAMIREZ / BAILEY
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 038
Report Date: 05/10/2017
Spud Date: 01/08/2017
Release Date:
DOE: 70 DOL: 38 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity: WOOWO
24 Hr Summary: FRAC STGS 43, 44 & PERF STGS 44, 45
24 Hr Forecast: CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	11:01	5.02	P	STG43	73	WOOWO	WOOWO
11:01	12:52	1.85	P	STG43	35	STIM	FRAC STAGE # 43: SICP:2440 PUMP 61 BBLS 15% HCL; FRW PAD 299,334 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 187 BBLS VISCOSIFIED 15% HCL; 100,672 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,334 PSI. FG: 0.85 PSI/FT. ATP: 5,686 PSI. ATR: 84.0 BPM. MTP: 6,996 PSI. MTR: 93.0 BPM. LTR: 8406 BBLS CLEAN 3334 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 3
12:52	13:00	0.13	P	STG44	73	WOOWO	WOOWO
13:00	14:15	1.25	P	STG44	21	PERF	WL STAGE # 44. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 9,597'. PU & PERF ON THE FLY AT 9,413' - 9,582' PUMPED 93 BBLS. POOH
14:15	17:30	3.25	P	STG44	73	WOOWO	WOOWO
17:30	18:00	0.50	P	STG44	21	PERF	SAFETY MEETING WITH NIGHT CREW
18:00	20:39	2.65	P	STG44	73	WOOWO	WOOWO
20:39	22:29	1.83	P	STG44	35	STIM	FRAC STAGE # 44: SICP:2530 PUMP 60 BBLS 15% HCL; FRW PAD 299341 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 187 BBLS VISCOSIFIED 15% HCL; 100,665 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3245 PSI. FG: 0.83 PSI/FT. ATP: 5923 PSI. ATR: 82.6 BPM. MTP: 7750 PSI. MTR: 90.7 BPM. LTR: 8199 BBLS CLEAN 2465 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 3
22:29	22:40	0.18	P	STG45	24	PULD	PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
22:40	23:52	1.20	P	STG45	21	PERF	WL STAGE # 45. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7,693'. PUMP DOWN AND TO SET CFP @ 9,395'. PU & PERF ON THE FLY AT 9,211' - 9,380' PUMPED 82 BBLS. POOH
23:52	05:30	5.63	P	STG45	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG45	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: SHIELD / QUALLS / RAMIREZ / BAILEY
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 039
Report Date: 05/11/2017
Spud Date: 01/08/2017
Release Date:
DOE: 71 DOL: 39 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #:	4238339738
Rig:	
Rig Phone:	
KB(ft):	2.963.01
POB: 85	Manhours: 255.00

Current Activity: WOOWO
24 Hr Summary: FRAC STGS 45, 46 & PERF STGS 46, 47
24 Hr Forecast: CONTINUE FRAC OPERATIONS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:20	0.33	P	STG45	73	WOOWO	WOOWO
06:20	08:12	1.87	P	STG45	35	STIM	FRAC STAGE # 45: SICP 2571 PUMP 31 BBLS 15% HCL; FRW PAD 299,336 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 187 BBLS VISCOSIFIED 15% HCL; 100,672 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3359 PSI. FG: 0.85 PSI/FT. ATP: 5,733 PSI. ATR: 83.0 BPM. MTP: 6850 PSI. MTR: 92.0 BPM. LTR: 8,530 BBLS CLEAN 4417 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 3
08:12	08:25	0.22	P	STG46	73	WOOWO	WOOWO
08:25	09:25	1.00	P	STG46	21	PERF	WL STAGE # 46. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7,693'. PUMP DOWN AND TO SET CFP @ 9,193'. PU & PERF ON THE FLY AT 9,009' - 9,178' PUMPED 69 BBLS. POOH
09:25	19:00	9.58	P	STG46	73	WOOWO	WOOWO
19:00	20:06	1.10	N	STG46	42	WOEP	WAIT ON FR TRANSPORT TO ARRIVE & OFFLOAD
20:06	20:14	0.13	P	STG46	35	STIM	FRAC STAGE # 46: SICP 2571 PUMP 31 BBLS 15% HCL; FRW PAD, HAD TO SHUT DOWN DUE TO A LEAK ON THE MAIN LINE
20:14	21:11	0.95	N	STG46	09	EQRP	SWAP CHIKSAN ON THE MAIN LINE
21:11	22:52	1.68	P	STG46	35	STIM	CONTINUE FRAC STAGE # 46: 299,318 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 190 BBLS VISCOSIFIED 15% HCL; 100,999 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3481 PSI. FG: 0.86 PSI/FT. ATP: 5460 PSI. ATR: 82.7 BPM. MTP: 7588 PSI. MTR: 91.4 BPM. LTR: 8072 BBLS CLEAN 2668 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 3
22:52	01:58	3.10	P	STG47	43	WOW	WAITING ON WEATHER (LIGHTNING)
01:58	02:24	0.43	P	STG47	24	PULD	PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
02:24	03:38	1.23	P	STG47	21	PERF	WL STAGE # 47. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7,693'. PUMP DOWN AND TO SET CFP @ 8,990'. PU & PERF ON THE FLY AT 8,807' - 8,976' PUMPED 77 BBLS. POOH
03:38	05:30	1.87	P	STG47	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG47	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS		COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:		Down Hole Tool Co:		Tool Sup:		
14.000	67.00 / 67.00		Fluids Eng:		Qty	Description	ID	OD	Top Set
9.625	922.00 / 922.00		Pit Temp:						
			Density:						
			Brine Type:						
			Gel Type:						
			Viscosity:						
			Nitrogen:						
			NTU:						
			FLOWBACK						
			Gas Rate:						
			Choke Size:						
			Avg. Tbg. Press:						
			Avg. Csg. Press:						
			Fluid Rate (Water):						
			Fluid Rate (Oil):						
			Tot. Load Recovered:						
PERFORATIONS									
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments		



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Report Number: 040
Report Date: 05/12/2017
Spud Date: 01/08/2017
Release Date:
DOE: 72 DOL: 40 AFE Days: 8.00
Last BOP T.: CSG Test:

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2.963.01
POB: 85 Manhours: 255.00

Current Activity: WOOWO
24 Hr Summary: FRAC STGS 47, 48 & PERF STGS 48, 49
24 Hr Forecast: CONTINUE FRAC OPERATIONS, START RDMO

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	09:14	3.23	P	STG47	73	WOOWO	WOOWO
09:14	11:09	1.92	P	STG47	35	STIM	FRAC STAGE # 47: SICP 2498 PUMP 30 BBLS 15% HCL; FRW PAD 299,321 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 192 BBLS VISCOSIFIED 15% HCL; 100,674 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3257 PSI. FG: 0.84 PSI/FT. ATP: 6,021 PSI. ATR: 82.3 BPM. MTP: 7454 PSI. MTR: 92.2 BPM. LTR: 8,291 BBLS CLEAN 4353 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 3
11:09	11:35	0.43	P	STG48	73	WOOWO	WOOWO
11:35	12:40	1.08	P	STG48	21	PERF	WL STAGE # 48. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7,693'. PUMP DOWN AND TO SET CFP @ 8,789'. PU & PERF ON THE FLY AT 8,605' - 8,774' PUMPED 53 BBLS. POOH
12:40	17:30	4.83	P	STG48	73	WOOWO	WOOWO
17:30	18:00	0.50	P	STG48	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW
18:00	22:00	4.00	P	STG48	73	WOOWO	WOOWO
22:00	23:51	1.85	P	STG48	09	EQRP	SCHEDULE MAINTANENCE
23:51	01:41	1.83	P	STG48	35	STIM	FRAC STAGE # 48: SICP 2494 PUMP 30 BBLS 15% HCL; FRW PAD 299,728 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 187 BBLS VISCOSIFIED 15% HCL; 100,956 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3324 PSI. FG: 0.84 PSI/FT. ATP: 6069 PSI. ATR: 83.7 BPM. MTP: 7809 PSI. MTR: 92.8 BPM. LTR: 8492 BBLS CLEAN 3885 PRODUCED. PUMPS IN LINE: 15 LOST:0 STANDBY: 3
01:41	01:56	0.25	P	STG49	24	PULD	PU WIRELINE TOOL STRING, NU RIG LOCK, FLUSH STACK, LOAD LUBRICATOR
01:56	03:00	1.07	P	STG49	21	PERF	WL STAGE # 49. TEST WL PCE TO 8,000 PSI. RIH W/ ECONO CFP 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7,693'. PUMP DOWN AND TO SET CFP @ 8,587'. PU & PERF ON THE FLY AT 8,403' - 8,572' PUMPED 49 BBLS. POOH
03:00	05:30	2.50	P	STG49	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG49	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS					
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/			Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00	67.00		Pit Temp:					
9.625	922.00	922.00		Density:					
				Brine Type:					
				Gel Type:					
				Viscosity:					
				Nitrogen:					
				NTU:					
				FLOWBACK					
				Gas Rate:					
				Choke Size:					
				Avg. Tbg. Press:					
				Avg. Csg. Press:					
				Fluid Rate (Water):					
				Fluid Rate (Oil):					
				Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments

<div><div>EPENERGY</div><div>Daily Operations Report Onshore</div></div>			Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00			Report Number: 010 Report Date: 04/12/2017 Spud Date: 01/08/2017 Release Date: DOE: 42 DOL: 10 AFE Days: 8.00 Last BOP T.: CSG Test:								
Event: COMPLETION LAND			API #: 4238339738											
Safety Meeting Topic:			Rig:											
Location: Lat: 31° 9' 23.11035 N			Rig Phone:											
Long: 101° 41' 7.17854 W			KB(ft): 2,963.01											
			POB: 11 Manhours: 17.00											
Current Activity: FIN R/U CUDD FRAC AND 3RD PARTY EQUIPT														
24 Hr Summary: DEMO THE HYDRA CON SYSTEM, WORKED GOOD, CONT R/U IRON, SPOT BASE PLATES AND STAND UP SILOS, MOVE IN ALL B/S AND PUMPS, AND R/U SAME, START SILO PRE-FILL SILOS, SPOT CLOSING UNITS AND E/LINE TRUCK,START R/U LUB.														
24 Hr Forecast: FIN R/U AND TEST ALL IRON, FILL ACID TANKS, PREPARE TO START FRAC OP'A AFTER PRE PAD MEETING														
OPERATION DETAILS														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION							
06:00	17:30	11.50	P	MIRU	01	MIRU	CONT R/U 4" IRON, NO WORD ON SILOS YET, DEMO THE HYDRA LOCK SYSTEM ON ONE WELL, SEEMS TO WORK GOOD, CONT R/U AND CLEAR AREA FOR SILOS							
17:30	18:00	0.50	P	MIRU	28	SFTYMTG	SAFETY MEETING WITH NIGHT SHIFT							
18:00	23:00	5.00	P	MIRU	01	MIRU	BASE PLATES AND SILOS ARRIVED, SPOT ANS STAND UP SILOS, CUDD CONT TO R/U PUMP DOWN RISERS							
23:00	02:00	3.00	P	MIRU	01	MIRU	PRE FILLING SILOS, MOVE IN BACK SIDE, START BRING IN PUMPS, CRANE ARRIVED, DROP DOLLY AND P/U COUNTER WEIGHTS, THEN SPOT CRANE. CUDD SPOTTING EQUIPT							
02:00	05:30	3.50	P	MIRU	01	MIRU	SPOT CLOSING UNITS AND POWER PACK FOR GR HYDRO C0NN,SP0IT W/L TRUCK AND START R/U LUB							
05:30	06:00	0.50	P	MIRU	28	SFTYMTG	SAFETY MEETING WITH NEW NIGHT CREW,							
Daily Operations Comments:														
CASING			FLUIDS				COMPLETION STRING DETAILS							
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)		Fluids Co:				Down Hole Tool Co:		Tool Sup:			
	/				Fluids Eng:				Qty	Description		ID	OD	Top Set
14.000	67.00 / 67.00				Pit Temp:									
9.625	922.00 / 922.00				Density:									
				Brine Type:										
				Gel Type:										
				Viscosity:										
				Nitrogen:										
				NTU:										
				FLOWBACK										
				Gas Rate:										
				Choke Size:										
				Avg. Tbg. Press:										
				Avg. Csg. Press:										
				Fluid Rate (Water):										
				Fluid Rate (Oil):										
				Tot. Load Recovered:										
PERFORATIONS														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method			Comments					

EP ENERGY

Daily Operations

Report Onshore

Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: M.DEGOLLADO / B.BAILY / M.SHIELD / R.QUALI
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 011
Report Date: 04/13/2017
Spud Date: 01/08/2017
Release Date:
DOE: 43
Last BOP T.:

DOL: 11
AFE Days: 8.00
CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:

Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #: 4238339738
Rig:
Rig Phone:
KB(ft): 2,963.01
POB: 11
Manhours: 17.00

Current Activity: WOOWO
24 Hr Summary: FIN R/U AND TEST ALL FRAC IRON AND ZIPPER, SHUT DOWN FOR WEATHER , THEN PROBLEMS WITH SILOS
24 Hr Forecast: CONT FRAC OP'S

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	16:30	10.50	P	MIRU	01	MIRU	CONT. TO MIRU SUPPORT EQUIPMENT
16:30	21:00	4.50	P	MIRU	01	MIRU	FINISH MIRU OF SUPPORT EQUIPENT
21:00	23:00	2.00	P	STG01	36	SFEQ	PRIME FRAC PUMPS REPAIR LEAKS AND PSI TEST LINES 8,700 PSI
23:00	00:05	1.08	P	STG01	36	SFEQ	BUCKET TEST CHEMICAL ADD PUMPS ON BLENDER
00:05	05:30	5.42	P	STG01	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG01	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

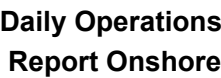
CASING			FLUIDS		COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:		Down Hole Tool Co:		Tool Sup:		
			Fluids Eng:		Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:						
9.625	922.00 / 922.00		Density:						
			Brine Type:						
			Gel Type:						
			Viscosity:						
			Nitrogen:						
			NTU:						
			FLOWBACK						
			Gas Rate:						
			Choke Size:						
			Avg. Tbg. Press:						
			Avg. Csg. Press:						
			Fluid Rate (Water):						
			Fluid Rate (Oil):						
			Tot. Load Recovered:						

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments

Printed: 4/13/2017 8:09:10AM

Page 1 of 1



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Report Number: 012
Report Date: 04/14/2017
Spud Date: 01/08/2017
Release Date:
DOE: 44 DOL: 12 AFE Days: 8.00
Last BOP T.: CSG Test:

API #:	4238339738
Rig:	
Rig Phone:	
KB(ft):	2,963.01
POB: 11	Manhours: 17.00

Current Activity:	SCHEDULED MAINT
24 Hr Summary:	WL STGS #02 FRAC STGS #01
24 Hr Forecast:	CONTINUE FRAC OPS

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	17:30	11.50	P	STG01	73	WOOWO	WOOWO
17:30	17:30	0.00	P	STG01	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW
17:30	18:41	1.18	P	STG01	73	WOOWO	WOOWO
18:41	20:54	2.22	P	STG01	35	STIM	FRAC STAGE # 1: SICP: 1531. PUMP 60 BBLS 15% HCL; FRW PAD; 299,330 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 190 BBLS VISCOSIFIED 15% HCL; 100,671 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,282 PSI. FG: 0.84 PSI/FT. ATP: 6611 PSI. ATR: 76.8 BPM. MTP: 7704 PSI. MTR: 90.9 BPM. LTR: 8854 BBLS . PUMPS IN LINE: 16 LOST: 0 STANDBY: 3, TOTAL PUMP TIME
20:54	00:20	3.43	P	STG02	73	WOOWO	WOOWO
00:20	01:30	1.17	N	STG02	21	PERF	WL CHANGE OUT VENT TUBE AND ADJUST CHAIN LENGHT ON SHEAVES
01:30	01:50	0.33	P	STG02	24	PULD	PICK UP NEW GUN STRING
01:50	05:30	3.67	P	STG02	21	PERF	WL STAGE # 02. RU WL ON WELL. TEST WL PCE TO 8000 PSI. RIH W/ ECO FRAC 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 18082'. PU & PERF ON THE FLY AT 17897' -18066 PUMPED 633 BBLS. .
05:30	06:00	0.50	P	STG02	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: M.DEGOLLADO / B.BAILY / M.SHIELD / R.QUALIFICE
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 013
Report Date: 04/15/2017
Spud Date: 01/08/2017
Release Date:
DOE: 45 DOL: 13 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #:	4238339738
Rig:	
Rig Phone:	
KB(ft):	2,963.01
POB: 11	Manhours: 17.00

Current Activity: WAITING ON WINDS TO DIE DOWN
24 Hr Summary: FRAC STG 2, WAITING ON WEATHER
24 Hr Forecast: RESUME OPERATIONS WHEN WIND DIES DOWN

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	10:00	4.00	N	STG02	43	WOW	SHUT DOWN DUE TO WEATHER 30+ WIND GETTING UPDATES EVERY 15MIN.
10:00	10:00	0.00	P	STG02	18	OTHR	LOAD BALL, TEST PUMP DOWN TO 8K PSI, EQUALIZE & OPEN WELL, LAUNCH BALL WITH 20 BBLS.
10:29	12:33	2.07	P	STG02	35	STIM	FRAC STAGE # 2: SICP: 2147. PUMP 60 BBLS 15% HCL; FRW PAD; 299,317 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 190 BBLS VISCOSIFIED 15% HCL; 100688 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3276 PSI. FG: 0.84 PSI/FT. ATP: 6711 PSI. ATR: 79.7 BPM. MTP: 7794 PSI. MTR: 91.6 BPM. LTR: 8373 BBLS . PUMPS IN LINE: 16 LOST: 0 STANDBY: 3, TOTAL PUMP TIME 2:07
12:33	17:30	4.95	P	STG03	73	WOOWO	WOOWO
17:30	18:00	0.50	P	STG03	28	SFTYMTG	SAFETY MEETING WITH NIGHT CREW
18:00	05:30	11.50	P	STG03	28	SFTYMTG	SAFETY MEETING WITH DAY CREW 0530 READING WAS 32-34 WITH HIGHER GUSTS
18:00	18:00	0.00	P	STG03	73	WOOWO	WOOWO

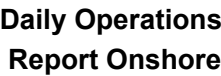
Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments

<div><div>EPENERGY</div><div>Daily Operations Report Onshore</div></div>			Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00			Report Number: 014 Report Date: 04/16/2017 Spud Date: 01/08/2017 Release Date: DOE: 46 DOL: 14 AFE Days: 8.00 Last BOP T.: CSG Test:							
Event: COMPLETION LAND			API #: 4238339738										
Safety Meeting Topic:			Rig:										
Location: Lat: 31° 9' 23.11035 N			Rig Phone:										
Long: 101° 41' 7.17854 W			KB(ft): 2,963.01										
			POB: 11 Manhours: 17.00										
Current Activity: WAITING ON WEATHER 40+ HIGH WINDS													
24 Hr Summary: WOOWO													
24 Hr Forecast: CONTINUE FRAC OPS													
OPERATION DETAILS													
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION						
06:00	09:30	3.50	P	STG02	43	WOW	WAITING ON WEATHER 30+ HIGH WINDS						
09:30	04:15	18.75	P	STG03	73	WOOWO	WOOWO						
04:15	05:30	1.25	N	STG03	43	WOW	WAITING ON WEATHER 40+ HIGH WINDS						
05:30	06:00	0.50	P	STG03	28	SFTYMTG	SAFETY MEETING WITH DAY CREW, STILL WAITING ON WIND						
Daily Operations Comments:													
CASING			FLUIDS				COMPLETION STRING DETAILS						
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)		Fluids Co:				Down Hole Tool Co:		Tool Sup:		
	/				Fluids Eng:				Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00				Pit Temp:								
9.625	922.00 / 922.00				Density:								
				Brine Type:									
				Gel Type:									
				Viscosity:									
				Nitrogen:									
				NTU:									
				FLOWBACK									
				Gas Rate:									
				Choke Size:									
				Avg. Tbg. Press:									
				Avg. Csg. Press:									
				Fluid Rate (Water):									
				Fluid Rate (Oil):									
				Tot. Load Recovered:									
PERFORATIONS													
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments						



Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: M.DEGOLLADO / B.BAILY / M.SHIELD / R.QUALIFL
Engineer/Manager: SCHMELTZ, PETER / GRUBB, ALLEN

Report Number: 015
Report Date: 04/17/2017
Spud Date: 01/08/2017
Release Date:
DOE: 47 DOL: 15 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 23.11035 N
Long: 101° 41' 7.17854 W

API #:	4238339738
Rig:	
Rig Phone:	
KB(ft):	2,963.01
POB: 11	Manhours: 17.00

Current Activity:	WOOWO
24 Hr Summary:	W/L STG 3,4 FRAC STG , 3,4
24 Hr Forecast:	CONT ZIPPER OP'S

OPERATION DETAILS

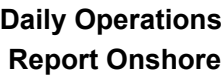
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:30	0.50	N	STG03	18	OTHR	WAIT ON WEATHER, HIGH WINDS
06:30	07:41	1.18	P	STG03	24	PULD	SCOPE CRANE OUT, PU LUBRICATOR. PU PLUG & GUNS. FLUSH STACK & LOAD LUBRICATOR.
07:41	10:08	2.45	P	STG03	21	PERF	WL STAGE # 3. RU WL ON WELL. TEST WL PCE TO 8000 PSI. RIH W/ ECO FRAC 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7693'. PUMP DOWN AND TO SET CFP @ 17,880'. PU & PERF ON THE FLY AT 17,695' - 17,864' PUMPED 528 BBLS. DROP BALL.
10:08	13:13	3.08	P	STG03	35	STIM	FRAC STAGE # 3: SICP: 2230. PUMP 60 BBLS 15% HCL; FRW PAD; 299347 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 191 BBLS VISCOSIFIED 15% HCL; 100659 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3181 PSI. FG: 0.83 PSI/FT. ATP: 7292 PSI. ATR: 74.5 BPM. MTP: 8065 PSI. MTR: 83.6 BPM. LTR: 8670 BBLS. PUMPS IN LINE: 16 LOST: 0 STANDBY: 3, TOTAL PUMP TIME 2:48. NOTE: SHUTDOWN TO REPLACE VALVE WITH PIN HOLE ON THE DISCHARGE SIDE
13:13	16:20	3.12	P	STG04	73	WOOWO	WOOWO
16:20	16:55	0.58	P	STG04	18	OTHR	REHEAD WIRELINE, FLUSH STACK, LOAD LUBRICATOR.
16:55	19:10	2.25	P	STG04	21	PERF	WL STAGE # 4. RU WL ON WELL. TEST WL PCE TO 8000 PSI. RIH W/ ECO FRAC 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 17,678'. PUMP DOWN AND TO SET CFP @ 17,678'. PU & PERF ON THE FLY AT 17,493' - 17,662' PUMPED 636 BBLS. DROP BALL
19:10	19:20	0.17	P	STG04	73	WOOWO	WOOWO
19:20	20:00	0.67	P	STG04	35	STIM	FRAC STAGE # 3: SICP: 2230. PUMP 30 BBLS 15% HCL; FRW PAD; PUMP .50 AND .75 100 MESH CUT SAND AND FLUSH WELL DUE TO BAD LIGHTENING, UDD UNPLUGGED ALL EQUIPT AND COMPUTERS FOR SAFETY, NOTIFIED OP'S SUPERVISOR AND ENGINEER VIA TEXT. L/D LUBRICATOR AND SCOPE IN CRANE
20:00	23:05	3.08	N	STG04	43	WOW	SHUT DOWN DUE TO LIGHTENING AND WIND
23:05	23:45	0.67	P	STG04	18	OTHR	ALL PARTIES AGREED STORM HAS PASSED P/U CRANE AND LUB, CRANK UP FRAC EQUIPT AND CONNECT ELECTRICAL CABLES, BACK TO WORK
23:45	01:39	1.90	P	STG04	35	STIM	CONT FRAC STG 4FRW PAD; 299,334 LBS 100 MESH @ .50 - 2.00 PPG; FRW FLUSH; 191 BBLS VISCOSIFIED 15% HCL; 100,607 LBS 40/70 @ 1.00 - 2.00 PPG; FRW FLUSH + 15 BBLS. ISIP: 3,320 PSI. FG: 0.84 PSI/FT. ATP: 6,262 PSI. ATR: 73.8 BPM. MTP: 7,999 PSI. MTR: 91.0 BPM. LTR: 5,072 BBLS. PRODUCED WATER- 4714 BBLS PUMPS IN LINE: 16 LOST: 0 STANDBY: 3,
01:39	02:45	1.10	P	STG04	18	OTHR	SCHEDULED MAINT, TIGHTEN ADAPTER BOLTS ON PUMPS WHILE WAITING ON E-LINE TO FINISH
02:45	05:30	2.75	P	STG04	73	WOOWO	WOOWO
05:30	06:00	0.50	P	STG04	28	SFTYMTG	SAFETY MEETING WITH DAY CREW

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/		Fluids Eng:	Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00		Pit Temp:					
9.625	922.00 / 922.00		Density:					
			Brine Type:					
			Gel Type:					
			Viscosity:					
			Nitrogen:					
			NTU:					
			FLOWBACK					
			Gas Rate:					
			Choke Size:					
			Avg. Tbg. Press:					
			Avg. Csg. Press:					
			Fluid Rate (Water):					
			Fluid Rate (Oil):					
			Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112MH/00

Report Number: 016
Report Date: 04/18/2017
Spud Date: 01/08/2017
Release Date:
DOE: 48 DOL: 16 AFE Days: 8.00
Last BOP T.: CSG Test:

API #:	4238339738
Rig:	
Rig Phone:	
KB(ft):	2,963.01
POB: 11	Manhours: 17.00

Current Activity:	POOH FROM DUMMY RUN TO 17,490
24 Hr Summary:	PERF STG #5, STUCK TOOL STRING ON BOTTOM, CAME OUT OF CABLE HEAD, FLUSHED WELL WITH 1,000 BBLs . PUMP DUMMY PLUG DOWN TO MAKE SURE TOOLS OUT OF WAY, DEPTH WAS 17,490', TOOLS ARE OUT OF WAY
24 Hr Forecast:	CONT FRAC OP'S

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	07:00	1.00	P	STG05	73	WOOWO	WOOWO
07:00	07:26	0.43	P	STG05	24	PULD	PU PLUG & GUN STRING. FLUSH STACK, LOAD LUBRICATOR.
07:26	08:30	1.07	P	STG05	21	PERF	WL STAGE # 5. RU WL ON WELL. TEST WL PCE TO 8000 PSI. RIH W/ ECO FRAC 5.5" CFP & 8 - 1' x 3 1/8" HSC LOADED 6 SPF, 60 DEG, 23 GR CHARGES, 48 SHOTS. CORRELATE W/ MARKER JT AT 7,693'. PUMP DOWN AND TO SET CFP @ 17,476'. PLUG APPEARED TO START STROKING BUT DID NOT SHEAR OFF. ATTEMPT TO PU TO FIRST GUN POSITION, TOOLS STUCK.
08:30	15:40	7.17	N	STG05	18	OTHR	REPORTED TO COMPLETIONS SUPERVISOR & ENGINEER TO DISCUSS COURSE OF ACTION. WORKED TOOLS WITH NO SUCCESS. ATTEMPTED TO PUMP TOOLS BACK DOWN THEN PICK UP 4 TIMES WITH LIMITED MOVEMENT. 5TH ATTEMPT TOOLS WOULD NOT MOVE DOWN HOLE, PU 42', 6TH ATTEMPT TOOLS WOULD NOT MOVE DOWN HOLE, PU DRAGGING UP HOLE. QUIT DRAGGING AND LOST CCL @ 16,976'. VERIFIED BY LINE TENSION IN VERTICAL THAT TOOLS WERE LOST IN HOLE. PULL WIRE OUT OF HOLE. SHUT WELL IN, BLEED OFF. LD LUBRICATOR & SPOOL WIRE BACK ON DRUM. ALL WIRE CAME OUT OF HOLE. PUMPED A TOTAL OF 1,308 BBLs, USED FRAC PUMPS TO PUMP DOWN GUN ASSEMBLY 1,040 BBL; 45 BPM; 6,165 MAX PSI.
15:40	16:13	0.55	N	STG05	35	STIM	USED FRAC PUMPS TO PUMP DOWN GUN ASSEMBLY 1,040 BBL; 45 BPM; 6,165 MAX PSI.
16:13	04:25	12.20	P	STG05	73	WOOWO	WOOWO
04:25	05:30	1.08	N	STG05	18	OTHR	P/U LUB AND DUMMY PLUG. TEST LUB TO 8,000 PSI. B/O AND EQ TO SICP, OPEN WELL AND PUMP PLUG DOWN TO MAKE SURE TOOLS ARE BELOW SETTING DEPTH FOR STG #5 PLUG AND PERF. GOT DOWN TO, 17,490' TOOLS ARE OUT OF WAY, START POOH
05:30	06:00	0.50	N	STG05	28	SFTYMTG	SAFETY MEETING WITH DAY CREW, NIGHT CREW CONT POOH

Daily Operations Comments:

CASING			FLUIDS	COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)		Down Hole Tool Co:		Tool Sup:		
	/			Qty	Description	ID	OD	Top Set
14.000	67.00 / 67.00							
9.625	922.00 / 922.00							
							</	

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments