

Form W-2

 1701 N. Congress
 Status:
 Approved

 P.O. Box 12967
 Date:
 08/30/2017

 Austin, Texas 78701-2967
 Tracking No.:
 172671

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: EXL PETROLEUM OPERATING INC. Operator No.: 256795

Operator Address: 6 DESTA DRIVE SUITE 2800 MIDLAND, TX 79705-0000

WELL INFORMATION

 API No.: 42-317-40493
 County: MARTIN

 Well No.: 1
 RRC District No.: 08

Lease Name: UL COMANCHE UNIT A4144 Field Name: SPRABERRY (TREND AREA) R 40 EXC

RRC Lease No.: 48829 Field No.: 85280301

Location: Section: 41, Block: 6, Survey: UNIVERSITY LANDS, Abstract: U10

Latitude: 32.46669 Longitude: -102.1968

This well is located 23.4 miles in a NW

direction from LENORAH,

which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Initial Potential Type of completion: New Well

Well Type: Producing Completion or Recompletion Date: 02/09/2017

 Type of Permit
 Date
 Permit No.

 Permit to Drill, Plug Back, or Deepen
 06/03/2016
 815972

 Rule 37 Exception
 0300786

Fluid Injection Permit

O&G Waste Disposal Permit

Other:

COMPLETION INFORMATION

Spud date: 07/18/2016 Date of first production after rig released: 02/09/2017

this field (reservoir) including this well: 1 reservoir (ft.): 0.0

Total number of acres in lease: 479.86 Elevation (ft.): 2897 GL equipment in hole and PB to

Total depth TVD (ft.): 9249 Total depth MD (ft.): 17282 equipment in hole and PB to

17258. Survey does not show projection to bit. See explantation

Plug back depth TVD (ft.): 9305 Plug back depth MD (ft.): 17258 at bottom of packet.

Was directional survey made other than

Rotation time within surface casing (hours): 129.0

inclination (Form W-12)?

Yes

Rotation time within surface casing (hours): 129.0

Is Cementing Affidavit (Form W-15) attached?

Yes

Recompletion or reclass? No Multiple completion? No

Type(s) of electric or other log(s) run: Neutron/Density logs (combo of tools)

Electric Log Other Description:

Location of well, relative to nearest lease boundaries Off Lease: No

of lease on which this well is located:

1675.4 Feet from the

330.0 Feet from the

East Line of the

UL COMANCHE A4144 UNIT **Lease.**

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Field & Reservoir Gas ID or Oil Lease No. Well No. Prior Service Type

PACKET: N/A

TD was to 17282 but lost

W2: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

GAU Groundwater Protection Determination 350.0 Date: 06/03/2016 Depth (ft.):

SWR 13 Exception Depth (ft.):

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 04/27/2017 Production method: Pumping 24 Number of hours tested: Choke size: 48

No

Was swab used during this test? Oil produced prior to test: 49759.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): 1047.00 **Gas (MCF)**: 730

Gas - Oil Ratio: 697 Flowing Tubing Pressure: 380.00

Water (BBLS): 1016

CALCULATED 24-HOUR RATE

Oil (BBLS): 1047.0 Gas (MCF): 730

Casing Pressure: 160.00 Oil Gravity - API - 60.: 48.0

Water (BBLS): 1016

	CASING RECORD										
	Type of		Hole Size	Setting Depth	<u>Multi -</u> Stage Tool	Multi - Stage Shoe	Cement	Cement Amount	•	Top of Cement	TOC Determined
Rov	v Casing	(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	Ву
1	Surface	13 3/8	17 1/2	403			CL C	415	556.0	SURF Ci ACE	rculated to Surface
2	Intermediate	9 5/8	12 1/4	8035			CL H	850	2134.0	5026	Calculation
3	Intermediate	9 5/8	12 1/4	8035	5026		CL C	1300	3478.0	SURF Ci ACE	rculated to Surface
4	Conventional Production	5 1/2	8 3/4	17258			CL H	3000	3660.0		ment Evaluation Log

Cement Slurry Top of Hole Liner Cement Amount Volume Cement TOC Row Size (in.) Size (in.) Top (ft.) Bottom (ft.) Class (sacks) (cu. ft.) Determined By (ft.)

N/A

		TUBING RECORD	
Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	8374	/

	PRODU	CING/INJECTION/DISPOSAL INTERVA	L
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 10046	17190.0
1	No	L1 10046	17190.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation

sleeve? No If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to Actual maximum pressure (PSIG) during hydraulic

hydraulic fracturing treatment: 9200 fracturing: 7771

Has the hydraulic fracturing fluid disclosure been

reported to FracFocus disclosure registry (SWR29)? Yes

Row	Type of Operation	Depth Int	erval (ft.)	
1	Fracture	17,064,684 FLUID/SLICKWATER; 14,191,440 #PROPPANT	10046	17190
2	Other	325 SX CL H	8389	9000
3	Other	330 SX CL H	8317	8872
4	Other	320 SX CL H	8119	9000

FORMATION RECORD								
Formations	Encountered	Depth TVD (ft.)		s formation isolated?				
SANTA ROSA	Yes	1500.0	1600.0	Yes				
CLEARFORK	Yes	6360.0	6361.0	Yes				
SPRABERRY	Yes	8198.0	8199.0	Yes				
DEAN	Yes	9433.0	9434.0	Yes				
WOLFCAMP	Yes	9606.0	9607.0	Yes				
YATES	No			No	NOT ENCOUNTERED; NOT IN AREA			
QUEEN	No			No	NOT ENCOUNTERED, NOT IN AREA			
GRAYBURG	No			No	NOT ENCOUNTERED, NOT IN AREA			
SAN ANDRES - ACTIVE CO2 FLOO HIGH FLOWS; H2S; CO	DD; No			No	NOT ENCOUNTERED, NOT IN AREA			
CISCO	No			No	NOT ENCOUNTERED, NOT IN AREA			
PENNSYLVANIAN	No			No	NOT ENCOUNTERED, TOO SHALLOW			
STRAWN	No			No	NOT ENCOUNTERED, TOO SHALLOW			
MISSISSIPPIAN	No			No	NOT ENCOUNTERED, TOO SHALLOW			
FUSSELMAN	No			No	NOT ENCOUNTERED, TOO			
SILURIAN	No			No	SHALLOW NOT ENCOUNTERED, TOO			
DEVONIAN	No			No	SHALLOW NOT ENCOUNTERED, TOO			
ELLENBURGER	No			No	SHALLOW NOT ENCOUNTERED, TOO SHALLOW			

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? Is the completion being downhole commingled (SWR 10)?

No

REMARKS

PLEASE CHANGE NAME OF WELL TO UL COMANCHE UNIT A4144 #1.

PUBLIC COMMENTS:
[RRC Staff 2017-05-22 14:09:11.914] EDL=7144 feet, max acres=520, SPRABERRY (TREND AREA) R 40 EXC oil well
CASING RECORD:
TUBING RECORD:
PRODUCING/INJECTION/DISPOSAL INTERVAL :
PRODUCING/INJECTION/DISPOSAL INTERVAL:
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :
PLUGS ON ROW 2, 3 AND 4 WERE SET BY THE DRILLING RIG PRIOR TO RUNNING CASING. THEY ARE KICK OFF PLUGS.
POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name:Belle LoweTitle:Regulatory AnalystTelephone No.:(432) 686-8080Date Certified:07/20/2017



JUL 28 28 28 ILROAD COMMISSION OF TEXAS

Form W-15

Rev. 08/2014

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

CEMENTING REPORT

	Delicated and the	OPERATOR I	NEORMATION		E.Fa Kur = 42
Operator Name:	EXL		Operator P-5 No.:	25/715	
Cementer Name:	O - Tex Pumping , LLC		Cementer P-5 No.:	617021	
		WĒLLINF	ORMATION		
District No.:	0%		County:	MARTIN	
Weil No.:	4146		API No.: 37 404	Drilling Permit N	lo.: 6/50112
Lease Name:	UL COMANCHE A 4144		Lease No.:		
Field Name: SYTE	em trem to	90) R 40 FX/	Field No.: 952	80301	
			JENTING DATA		
Type of Casing:	Conductor	✓ Surface	Intermediate	Liner	Production
Drilled hole size (in.):	17/2	Depth of drilled hole (ft.)	403	Est. % wash-out or hole enlargem	ent: /00
Size of casing in O.D. (in	133/0	Casing weight (lbs/ft) and gr		No. of centralizers used:	13
Was cement circulated to	ground surface (or bottom of c	ellar) outside	Setting depth shoe (ft.)	Top of liner (ft.):	
casing? VYES N	O If no for surface casing, ex	plain in Remarks.	403	Setting depth lin	er (ft.):
Hrs. waiting on cement be	fore drill-out: / 2_	Calculated top of cement	(ft.): SURFACE	Cementing date:	7/19/2016
		SLI	JRRY		of particle and discount
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
mental 1 de la companya	415	C PARTY C	2% CaCl2	556	800
2				The Particular Control of the Contro	
3		E ANGELOWS TO A			prediction and the
Total	415			556	800
		II. CASING CEI	MENTING DATA		200
Type of casing:	Surface Intermed	diate Production	Tapered production	Multi-stage cement shoe	Multiple parallel strings
Drilled hole size (in.):	manufacture and Supplied	Depth of drilled hole (ft.)		Est. % wash-out or hole enlargen	ent:
Size of casing in O.D. (in		Casing weight (lbs/ft) and gr		No. of centralizers used:	
Tapered string drilled h	ole size (in.)		Tapered string depth o	f drilled hole (ft.)	
Upper:	Lower:	e la	Upper:	Lower:	- 1 Her
Tapered string size of ca Upper:	asing in O.D. (in.) Lower:	Tapered string casing we Upper:	ight(lbs/ft) and grade Lower:	Tapered string no. of cent Upper:	tralizers used Lower:
Was cement circulated to	ground surface (or bottom of c	ellar) outside casing? YES	NO .	Setting depth shoe (ft.):	E - 1
Hrs. waiting on cement be	fore drill-out:	Calculated top of cement	: (ft:):	Cementing date:	and the second second
		SLI	JRRY		ter and the second
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	C. L.				The state of the s
2			and the second		
3	A WILL STRING				
Total					
			MENTING DATA	and the second	
Type of casing:	Surface Intermed		Tapered production	Multi-stage cement/DV tool	
Drilled hole size (in.):		Depth of drilled hole (ft.)		Est. % wash-out or hole enlargen	nent:
Size of casing in O.D. (in		Casing weight (lbs/ft) and gr		No. of centralizers used:	
Tapered string drilled h	ole size (in.)		Tapered string depth o	f drilled hole (ft.)	
Upper:	Lower:		Upper:	Lower:	
Tapered string size of ca	asing in O.D. (in.)	Tapered string casing we	eight(lbs/ft) and grade	Tapered string no. of cen	tralizers used
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
	ground surface (or bottom of o			Setting depth shoe (ft.):	The state of the s
Hrs. waiting on cement be	fore drill-out:	Calculated top of cement		Cementing date:	
et. M			URRY	L Malura C 400	Databa (fa)
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2		to diversity of the second			
3 Total	or the contract of the contrac				
Total	and the second second	El C-VIII SEL VENVA DE HILL		See a second of the second of	

	CEMENTING TO S	QUEEZE, PLUG I	BACK OR PLUG	AND ABANDON			I LEGISTA
	PLUG#1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date					1311313	7	
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)	To a Military State of the Parish			201 10 -1 -1 -1			
DBP setting depth (ft.)			=24000000	2		100	
Amount of cement on top of CIBP (ft.)		7.7		19.			
Sacks of cement used	The second						
Sturry volume pumped (cu. ft.)			F. C				
Calculated top of plug (ft.)			North Control		70		WI SEED
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)		31 12 3 10		STORES OF		Contract Vision	SECTION OF
Class/type of cement		CHARLES	DENT CHICA		man illus		100000
Perforate and squeeze (YES/NO)				7			die Control
		REMA	THIS .				
certification, that the cementing of casing and supervision, and that the cementing data and	i/or the placing of	in Sec. 91.143, cement plugs in	Texas Natural R this well as she	own in the repo	t was performe	d by me or unde	er my
CEMENTER'S CERTIFICATE: I declare under percentification, that the cementing of casing and supervision, and that the cementing data and certification covers cementing data only. Steven Frederick Service Supervisor	i/or the placing of	in Sec. 91.143, cement plugs in	Texas Natural R I this well as she his form are tru	own in the repo	t was performe	d by me or unde	er my
certification, that the cementing of casing and supervision, and that the cementing data and certification covers cementing data only.	i/or the placing of	in Sec. 91.143, cement plugs in	Texas Natural R this well as sho his form are tru O-Tex	own in the repor e, correct, and c	t was performe	ed by me or under best of my kno	er my
certification, that the cementing of casing and supervision, and that the cementing data and certification covers cementing data only. Steven Frederick Service Supervisor	i/or the placing of	in Sec. 91.143, cement plugs in	Texas Natural R this well as sho his form are tru O-Tex	own in the report e, correct, and c Pumping	t was performe	ed by me or under best of my kno	er my wledge. This
certification, that the cementing of casing and supervision, and that the cementing data and certification covers cementing data only. Steven Frederick Service Supervisor	i/or the placing of	in Sec. 91.143, cement plugs in a both sides of t	Texas Natural R this well as sho his form are tru O-Tex	own in the report e, correct, and c Pumping ng Company	t was performe	ed by me or undo best of my kno Sign	er my wledge. This

yped or printed name of operator's representative

Tel: Area Code

instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cament is pumped in a wellbore.

A. What to file: An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filled with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. How to file: An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System

(https://webapps.trc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).

C. Surface casing: An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cament shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Continission.

To plug and abandon a well, operators must use only cementars approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tr.us/pis/pub/readtac\$ext.TacPage?si=R&app=9&p_dir=&p_rior=&p_tloc=&p_ploc=&p_state_tr.us/pis/pub/readtac\$ext.TacPage?si=R&app=9&p_dir=&p_rior=&p_tloc=&p_tlo

- D. Estimated % wash-out: If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cament: An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. Slurry data: if cement job exceeds three sturries, continue the list of sturries in the Sturry table in the subsequent Casing Cementing Data box.



Form W-15

Rev. 08/2014

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

CEMENTING REPORT

		OPERATOR	INFORMATION	MILE SHEET SHEET		
Operator Name:	EXL PETROLEUM		Operator P-5 No.:	2511195		
Cementer Name:	O - Tex Pumping , LLC		Cementer P-5 No.:	617021		
		WELLIN	FORMATION			
District No.:	06		County:	MARTIN		
Well No.:	4146		API No.: 37 - 47493 Drilling Permit No.: 9159 72			
Lease Name:	U.I. COMANCHE A414		Lease No.:			
Field Name: SDM	berry Crandar	MA) RYA EVI	Field No.: 9529	カネク		
			MENTING DATA			
Type of Casing:	Conductor	Surface	Intermediate	Liner	Production	
Drilled hole size (in .):		Depth of drilled hole (ft	.):	Est. % wash-out or hole enlargem	ent:	
Size of casing in O.D. (i	in.):	Casing weight (lbs/ft) and a	grade:	No. of centralizers used:		
Was cement circulated to	ground surface (or bottom of	cellar) outside	Setting depth shoe (ft.)	: Top of liner (ft.)		
asing? YES N	O If no for surface casing, exp	slain in Remarks.		Setting depth lin	ner (ft.):	
irs, waiting on cement be	fore drill-out:	Calculated top of ceme	nt (ft.):	Cementing date:		
		SL	.URRY			
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
1						
2						
3						
Total						
		II. CASING CE	MENTING DATA	ME WAS I SHA		
Type of casing:	Surface Interme	diate Production	Tapered production	Multi-stage cement shoe	Multiple parallel strings	
Orilled hole size (in.):	121/4	Depth of drilled hole (ft	1: 8035	Est. % wash-out or hole enlargem	ent: 40	
ize of casing in O.D. (i	n.): 4 5/8	Casing weight (lbs/ft) and g	rade:40 # HCL -8	No. of centralizers used:	77	
Tapered string drilled h	role size (in.)	O TAMES IN	Tapered string depth of	f drilled hole (ft.)		
Jpper:	Lower:		Upper:	Lower:		
Tapered string size of c	casing in O.D. (in.)	Tapered string casing w	eight(lbs/ft) and grade	Tapered string no. of cen	tralizers used	
Jpper:	Lower:	Upper:	Lower:	Upper:	Lower:	
Vas cement circulated to	ground surface (or bottom of o	ellar) outside casing? YES	NO V	Setting depth shoe (ft.): 9	035	
irs, waiting on cement be	fore drill-out: /2	Calculated top of cemer	ıt (ft.):		8/9/2016	
		SL	URRY			
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
1	650	50:50 CLASS H	REMARKS # 1	1898	6060	
2	200	CLASS H	REMARKS # 2	236	754	
3						
Total	850			2134	6814	
		III. CASING CI	EMENTING DATA	cide and a series		
ype of casing:	Surface Interme	diate Production	Tapered production	Multi-stage cement/DV tool	Multiple parallel strings	
rilled hole size (in.):	1214	Depth of drilled hole (ft.		Est. % wash-out or hole enlargem		
ize of casing in O.D. (in	n.):	Casing weight (lbs/ft) and g	rade:	No. of centralizers used:		
apered string drilled h			Tapered string depth of			
lpper:	Lower:		Upper:	Lower:		
apered string size of c	asing in O.D. (in.)	Tapered string casing w	-	Tapered string no. of cen	tralizers used	
Ipper:	Lower:	Upper:	Lower:	Upper: Lower:		
Vas cement circulated to	ground surface (or bottom of c			and the same of th	5026 DV1	
irs, waiting on cement be		Calculated top of cemer			8/9/2016	
			URRY			
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
0.001	1100	50:50 CLASS C	REMARKS#3	3212	10255	
2	200	CLASS C	REMARKS#4	266	849	
3					(A)	
Total	1300			3478	11104	
				The second secon		

PLUG #3 PLUG #4 PLUG #5 PLUG #6 PLUG #7 PLUG #6 PLUG #7
sides of this form are true, correct, and complete, to the best of my knowledge. The
OTEX PUMPING LLC
Cementing Company
432-869-8559 8/9/2016
Tel: Area Code Number Date: mo. day
9: t p sid

Instructions for Form W-15, Cementing Report

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To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14

(http://info.sos.state.bc.us/pls/pub/readiac/sext.TacPage?shR&app=9&p_dir=&p_rioc=&p_ploc=&p_ploc=&p_sio=1&p_tac=&ti=16&pt=1&ch=3&ri=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

- D. Estimated % wash-out: If the estimated % wash-out is less than 20% (or 30% along the Guif Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cement: An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. Slurry data: If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



Form W-15

Rev. 08/2014

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

CEMENTING REPORT

Falling Later 6		OPERATOR II	WORMATION			
Operator Name:	EXI.		Operator P-5 No.:	17/195		
Cementer Name:	O - Tex Pumping , LLC		Cementer P-5 No.:	617021		
RUENVEALAU TE	out the later	WELLINFO	ORMATION			
District No.:			County:	MARTIN	WATER STREET	
Well No.:	4146		API No.: 42-317-40493 Drilling Permit No.: 815972			
Lease Name:	UL COMANCHE A 41-4	4	Lease No.:			
Field Name: OVIVI			Field No.: 95 290	47		
- JAMES	7 1.11 1.1 1.1 2.1 1.14		ENTING DATA			
Type of Casing:	Conductor	Surface	Intermediate	Liner	Production	
Drilled hole size (in.):	- Contractor	Depth of drilled hole (ft.):		Est, % wash-out or hole enlargem		
Size of casing in O.D. (in.)		Casing weight (lbs/ft) and gra		No. of centralizers used:		
Was cement circulated to gro			Setting depth shoe (ft.):	Top of liner (ft.):		
	If no for surface casing, exp			Setting depth lin		
Hrs. waiting on cement befor	e drill-out:	Calculated top of cement	(ft.):	Cementing date:		
			IRRY			
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
1						
2						
3						
Total						
Section Committee		II CASING CEN	MENTING DATA	THE RESERVE		
Type of casing:	Surface Interme		Tapered production	Multi-stage cement shoe	Multiple parallel strings	
Drilled hole size (in.):	Pariace Interme	Depth of drilled hole (ft.)		Est. % wash-out or hole enlargem		
Size of casing in O.D. (in.)		Casing weight (lbs/ft) and gra				
Tapered string drilled hol		Casult weither (upster) and the	Tapered string depth of	1		
Upper:	Lower:		Upper:	Lower:		
Tapered string size of cas		Tapered string casing we		Tapered string no. of cen	tralizers used	
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:	
Was cement circulated to gro			I NO I	Setting depth shoe (ft.):	Covers	
Hrs. waiting on cement befor		Calculated top of cement		Cementing date:		
this watting on content were	C DITH GOL.		JRRY	Lectiveiring oute:		
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
1	110.010000	Constant of the Constant of th	, , , , , , , , , , , , , , , , , , ,	- Column (Carren)	No. of the last of	
2						
3						
Total						
		III CASUUC CEI	MENTING DATA		N. Bernander	
Type of casing:	Surface Interme		Tapered production	Multi-stage cement/DV tool	Multiple parallel strings	
Drilled hole size (in.):	puriace interme	Depth of drilled hole (ft.)		Est, % wash-out or hole enlargen		
				No. of centralizers used:	reint.	
Size of casing in O.D. (in.) Tapered string drilled hol		Casing weight (lbs/ft) and gra	Tapered string depth of			
			The state of the s	Lower:		
Upper: Tapered string size of cas	Lower:	Tananad string angles we	Upper:	Tapered string no. of cer	tenlinee wood	
	Lower:	Tapered string casing we				
Upper: Was cement circulated to gre		Upper: :ellar) outside casing? YES	Lower:	Upper: Setting depth shoe (ft.):	Lower:	
		Calculated top of cemen		Cementing date:		
Hrs. waiting on cement before	e ui ili-out;		r (rr.): JRRY	Lementing date:		
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
Siurry No.	HO, UI SALKS	Cid22	Auditives	Animie (cn. (r.)	neight (it.)	
2	1		to a full control of the control of			
3	 					
Total	+					
10101			PT TO SHARE THE PARTY OF THE PA	100	THE RESERVE TO SERVE THE PARTY OF THE PARTY	

			7
	1		
3		production and	Say
			= # DOM:
	TO CLEAN THE		
NA PARKET			
		T discourse	
			-
			1.0

certification covers cementing data only.

2609 E I-20	Midland TX 79706	432-686-8	1559	8/14/2016
Address	City, State, Zip Code	Tel: Area Code	Number	Date: mo. day yr.
OPERATOR'S CERTIFICATE: I declare under percentification, that I have knowledge of the well are true correct, and complete to the best of	data and information presented in t	his report, and that data and fa		

inted name of operator's representative

Name and title of cementer's representative

EDWARD SALDANA

O-Tex Pumping

Cementing Company

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

- What to File: An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
- The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file: An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System

(https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).

C. Surface casing: An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the ceitar, Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pis/pub/readtacSext.TacPage?si=Rāapp=Sāp_dir=āp_rioc=āp_pioc=āp_toc=āp_lap_tac=āti=158.pt=18ch=38.rt=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

- Estimated % wash-out: If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- Multi-stage cement: An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. Slurry data: If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



6 L C-1

RAILROAD COMMISSION OF TEXAS

Form W-15

Rev. 08/2014

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

CEMENTING REPORT

		OPERATOR	INFORMATION		
Operator Name:	EXL		Operator P-5 No.:	251115	
Cementer Name:	O - Tex Pumping , LLC		Cementer P-5 No.:	617021	110
	No. No. 1	WELLIN	FORMATION		
District No.:	06		County: Mart	in	A Miles and Miles
Well No.:	4146		API No.:37 404	Drilling Permit N	io.: 9015912
Lease Name:	UL COMMANCHE À 41	14	Lease No.:		5000 100 STARK
Field Name: 77777	m I Trend Area) R40 Exc.	Field No.: 95290	030	4000
	Karaman	I. CASING CI.	MENTING DATA		
Type of Casing:	Conductor	Surface	Intermediate	Liner	Production
Drilled hole size (in.):		Depth of drilled hole (ft.):	Est. % wash-out or hole enlargem	ent;
Size of casing in O.D. (in.	.):	Casing weight (lbs/ft) and g	rade:	No. of centralizers used:	pulling the state of
	round surface (or bottom of c	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Setting depth shoe (ft.)		
	O If no for surface casing, ex		. (6.)	Setting depth lin	er (rt.):
Hrs. waiting on cement bef	ore anii-out:	Calculated top of cemer		Cementing date:	
Channa No.	I No of Cooks	Class	URRY Additives	I Maluma (au fr.)	Linioht (ft)
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1 2					
3 Total					
Total					
			MENTING DATA		
Type of casing:	Surface Interme		Tapered production	Multi-stage cement shoe	
Drilled hole size (in.):				Est. % wash-out or hole enlargen	ient:
Size of casing in O.D. (in		Casing weight (lbs/ft) and (No. of centralizers used:	
Tapered string drilled he Upper:	ole size (in.) Lower:		Tapered string depth of Upper:	f drilled hole (ft.) Lower:	
Tapered string size of ca		Tapered string casing w		Tapered string no. of cen	tralizers used
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
Was cement circulated to a	ground surface (or bottom of e	cellar) outside casing? YE	S NO	Setting depth shoe (ft.):	The state of the state of
Hrs. waiting on cement bef	ore drill-out:	Calculated top of cemer	nt (ft.):	Cementing date:	
Salvetti e usti		Si	LURRY		
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2	B N AL B		al Sandy		
3					
Total					
		III. CASING C	EMENTING DATA		
Type of casing:	Surface Interme	diate Production	Tapered production	Multi-stage cement/DV tool	Multiple parallel string
Drilled hole size (in.):		Depth of drilled hole (ft	.):	Est. % wash-out or hole enlargen	nent:
Size of casing in O.D. (in	i.):	Casing weight (lbs/ft) and	grade:	No. of centralizers used:	
Tapered string drilled h	ole size (in.)		Tapered string depth of	of drilled hole (ft.)	
Upper:	Lower:		Upper:	Lower:	
Tapered string size of ca	asing in O.D. (in.)	Tapered string casing w	reight(lbs/ft) and grade	Tapered string no. of cen	tralizers used
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
Was cement circulated to a	ground surface (or bottom of	cellar) outside casing? YE	S NO	Setting depth shoe (ft.):	The state of the s
Hrs. waiting on cement bef	fore drill-out:	Calculated top of ceme	nt (ft.):	Cementing date:	
	Section 5		LURRY	The Miller Co. Land Co.	
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	ne la company				3-1
2					
3					
Total					

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date	9/10/2016				and the latest of the latest o		
Size of hole or pipe (in.)	93/4			The state of			The state of the state of
Depth to bottom of tubing or drill pipe (ft.)	8872	111111111111111111111111111111111111111		2 2 2 2 2			477
Cement retainer setting depth (ft.)		O Seri		200	1000		
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)			100			Separate Separate	Assert .
Sacks of cement used	330			2		Lawrence 1	
Sturry volume pumped (cu. ft.)	297				Well Line		
Calculated top of plug (ft.)	8160			Sheet Was		DESIGNATION OF THE PERSON OF T	M
Measured top of plug, if tagged (ft.)	8317						
Slurry weight (lbs/gal)	18		PERCENT IN		(1) (1)		· Linney
Class/type of cement	H+						
Perforate and squeeze (YES/NO)	NO						
CHEST STATE OF THE STATE OF		REMA	RKS	DE OFFICE	HARLE OF THE REAL PROPERTY.	LAND ENGINE	and the same
REMARKS 1% C-37 + 5% SALT			and the fi	0/		transfer to	

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

justin smith supervisor		Q-Tex Pumping	1/0	V	- 150	TOOTA	
Name and title of cementer's representative		Cementing Company		Signa	iture		
2609 E1-20	Midland TX 79706	432-686-8	3559		9/10/	/2016	5
Address	City, State, Zip Code	Tel: Area Code	Number	Date:	mo.	day	yr.
OPERATOR'S CERTIFICATE: I declare under po	enalties prescribed in Sec. 91.143,	Texas Natural Resources Code, tha	t I am authorized	to make th	ıis		

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Typed or printed name of operator's representative

4 2800 WULLINGTY PHOS

Number

Date: mo. day ir.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cament is pumped in a wellbore.

A. What to file: An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filled with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemental in the hole.

B. How to file: An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System

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To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14

[http://info.sos.stata.br.us/pis/pub/readtac\$ext.TacPage7si=R&spp=9&p_dir=&p_rioc=&p_bloc=&p_sion=1&p_bac=&ti=16&pt=1&ch=3&ri=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

- D. Estimated % wash-out: if the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage coment: An operator must report the multi-stage cument shoe in II. Casing Comenting Data section by selecting the type of casing and Multi-stage cument shoe. The operator must report the multi-stage cement tool in III. Casing Comenting Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. Slurry data: If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



Form W-15

Rev. 08/2014

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

CEMENTING REPORT

		OBCOATOO	NFORMATION		
2	EXI. Petroleum	OPERATORI		20140	
Operator Name:	O - Tex Pumping , LLC		Operator P-5 No.: Cementer P-5 No.:	251/195	
Cementer Name:	O-Tex Pumping, LLC			61/021	
		VELLINE	ORMATION		
District No.:			County:	Martin	410444
Well No.:	4146		API No.: 317. 4049	3- Drilling Permit N	0:8150112
Lease Name:	U.L. Comanche A 4144		Lease No.:	140	
Field Name: S)	11 (Trend Area	1 R40 Exc.	Field No.: 0526	1901	
			MENTING DATA		
Type of Casing:	Conductor	Surface	Intermediate	Liner	Production
Drilled hole size (in.):	AVANT	Depth of drilled hole (ft.)		Est. % wash-out or hole enlargeme	ent:
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and gra	ide;	No. of centralizers used:	
Was cement circulated to gro casing? YES NO	und surface (or bottom of c If no for surface casing, exp	AND ALL CONTRACTORS AND ADMINISTRATION OF THE PARTY OF TH	Setting depth shoe (ft.)	: Top of liner (ft.): Setting depth line	er (ft.):
Hrs. waiting on cement before	e drill-out:	Calculated top of cement	(ft.):	Cementing date:	
		A CONTRACTOR OF THE PARTY OF TH	JRRY	III III III III III III III III III II	ALL-AUSTANA DE LA CALLA
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3	The second second second				
Total					
Salves El Cambrille		I CASWG CEL	IEITHIG DATA	PERSONAL PROPERTY.	
Type of casing:	Surface Interme		Tapered production	Multi-stage cement shoe	Multiple parallel strings
Drilled hole size (in.):	Desirate programs	Depth of drilled hole (ft.)		Est, % wash-out or hole enlargeme	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and gra		No. of centralizers used:	
Tapered string drilled hole		Consult Acidist (Insplict and Bra	Tapered string depth o		
Upper:	Lower:		Upper:	Lower:	
Tapered string size of casi		Tapered string casing we		Tapered string no. of cent	ralizors used
Upper:	Lower:	Upper:	Lower:		Lower:
Was cement circulated to gro			I NO	Setting depth shoe (ft.):	
Hrs. waiting on cement before		Calculated top of cement		Cementing date:	
	Aprillationship		JRRY	Touristing autor	
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1			ALL MAN TO THE TAX TO THE		
2					
3					
Total		30.5			
		III CASING CE	MENTING DATA		
Type of casing:	Surface Interme		Tapered production	Multi-stage cement/DV tool	Multiple parallel strings
Drilled hole size (in.):		Depth of drilled hole (ft.)		Est. % wash-out or hole enlargeme	
Size of casing in O.D. (in.):		Casing weight (ibs/ft) and gra		No. of centralizers used:	
Tapered string drilled hole		Leasure werdire (1997 tr) aver Bre	Tapered string depth o		
Upper:	Lower:		Upper:	Lower:	
Tapered string size of casi		Tapered string casing we		Tapered string no. of cent	ralizers used
Upper:	Lower:	Upper:	Lower:		Lower:
Was cement circulated to gro			NO NO	Setting depth shoe (ft.):	LOWEI.
Hrs. waiting on cement before		Calculated top of cement	the same of the sa	Cementing date:	J. St. Accress.
The state of the s			JRRY	Leanning pares	
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1				Total Control	
2			1 m = 10/18 - 210 - 21	A 10 10 10 10 10 10 10 10 10 10 10 10 10	
3					
Total		A DESCRIPTION OF THE PERSON OF	F		

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG#6	PLUG #7
Cementing Date	9/16/2016				Place Allerta		Part Laboration
Size of hole or pipe (in.)	83/4						
Depth to bottom of tubing or drill pipe (ft.)	9000'						
Cement retainer setting depth (ft.)			De de Car				
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							2
Sacks of cement used	320	762 163 177					8
Slurry volume pumped (cu. ft.)	288	(3) HE 11		E11 5 E -11			
Calculated top of plug (ft.)	8119	V=3/1==1					
Measured top of plug, if tagged (ft.)	NONE						
Slurry weight (lbs/gal)	18						
Class/type of cement	Class H		1	- 10 10			
Perforate and squeeze (YES/NO)			95				

Slurry volume pumped (cu. ft.)	288					
Calculated top of plug (ft.)	8119					
Measured top of plug, if tagged (ft.)	NONE		11111111			
Slurry weight (lbs/gal)	18			E Layer		
Class/type of cement	Class H					1 1 1 1 1 1 1 1 1
Perforate and squeeze (YES/NO)			ALCOHOL: SALE			
		REMARK			OF THE REAL PROPERTY.	22 SA NA SECOND
Slurry Adds: 1% C-37+5% Salt.	THE WAY TO SEE THE SECOND			Carlo de Company		
CEMENTER'S CERTIFICATE: I declare uno	ier penalties prescribed in	Sec. 91 143 Te	vas Natural Rosoumos (ode that Lar	n authorized to	make this
certification, that the cementing of casin						
supervision, and that the cementing data		our sides of this	torm are true, correct,	and complete	, to the best of i	my knowledge. This
certification covers cementing data only.					^	
					10	1 //
Abraham Mata- Service Supervisor			O-Tex Pumping		100	love / Mil
Name and title of cementer's representa	tive		Cementing Company		0	Signature
			or a sure a section of the section of			

2609 E I-20

Midland TX 79706

432-686-8559

9/16/2016

Address

City, State, Zip Code

Tel: Area Code

Date: mo. day vi

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Bole LOWC

yped or printed name of operator's representative

Title

Sanatura

I DESTA DAIVE,

City, State, Zip Code

Tols Arms Conda

UV

Date: mp. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attackment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

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To plug and abandon a welf, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14

[http://info.sos.state.br.us/pls/pub/readtac/ext.TacPage?shR&app=9&p_dir=&p_rior-&p_ploc-&p_ploc-&p_ploc-&p=1&p_tac-&ti=16&pt=1&ch=3&ri=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

- D. Estimated % wash-out: If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cement: An operator must report the multi-stage cement shoe in ii. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15 to show all data for multiple parallel strings.
- 6. Slurry data: If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



Form W-15

Rev. 08/2014

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

CEMENTING REPORT

RESIDENCE TO THE	OF THE RESERVE	OPERATOR I	NFORMATION		
Operator Name:	EXL Petroleum		Operator P-5 No.:	251795	
Cementer Name:	O - Tex Pumping , LLC		Cementer P-5 No.:	617021	
		WELLINE	ORMATION		TO THE RESERVE OF THE
District No.:	8		County:	Martin	
Well No.:	4146		API No.: 42-317-40493	Drilling Permit N	o.: 815972
Lease Name:	UL Comanche A4144 Un	it	Lease No.:		200
Field Name: STANA	MI (Trans NOA)	K40 EXC.	Field No.:		
771011			NENTING DATA		
Type of Casing:	Conductor	Surface	Intermediate	Liner 🗸	Production
Drilled hole size (in.):	8 3/4	Depth of drilled hole (ft.)		Est. % wash-out or hole enlargeme	
Size of casing in O.D. (in.):	51/2	Casing weight (lbs/ft) and gra		No. of centralizers used:	325
Was cement circulated to gro		ilar) outside	Setting depth shoe Ift 1:	Top of liner (ft.):	
	If no for surface casing, expla	Physical Review Company (1997)	17758	Setting depth lin	
Hrs. walting on cement before	e drill-out:	Calculated top of cement	(ft.): 5072 CA	Cementing date:	10/7/2016
			RRY		
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	3000	50:50:H	Remarks 1	3660	14334
2	STATE OF THE STATE	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
3		WW	2000		
Total	3000		and the second second	3660	14334
		II. CASING CEN	MENTING DATA		
Type of casing:	Surface Intermedi		Tapered production	Multi-stage cement shoe	Multiple parallel strings
Drilled hole size (in.):	1917 - 19	Depth of drilled hole (ft.)		Est. % wash-out or hole enlargeme	ent:
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and gra		No. of centralizers used:	
Tapered string drilled hole			Tapered string depth of	drilled hole (ft.)	
Upper:	Lower:		Upper:	Lower:	V
Tapered string size of casi		Tapered string casing we		Tapered string no. of cent	tralizers used
Upper:	Lower:	Upper:	Lower:		Lower:
Was cement circulated to gro	und surface (or bottom of ce	llar) outside casing? YES	NO NO	Setting depth shoe (ft.):	
Hrs. waiting on cement before	e drill-out:	Calculated top of cement	(ft.):	Cementing date:	
		SLL	IRRY		
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2		Walter Street			
3					
Total					
	Water Since	III. CASING CE	MENTING DATA		
Type of casing:	Surface Intermedi	ate Production	Tapered production	Multi-stage cement/DV tool	Multiple parallel strings
Drilled hole size (in.):		Depth of drilled hole (ft.)		Est. % wash-out or hole enlargem	ent:
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and gr	ade:	No. of centralizers used:	
Tapered string drilled hole	e size (in.)		Tapered string depth of	drilled hole (ft.)	
Upper:	Lower:		Upper:	Lower:	
Tapered string size of casi	ing in O.D. (in.)	Tapered string casing we	ight(lbs/ft) and grade	Tapered string no. of cen	tralizers used
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
Was cement circulated to gro	und surface (or bottom of ce	llar) outside casing? YES	NO L	Setting depth shoe (ft.):	1000
Hrs. waiting on cement befor	e drill-out:	Calculated top of cemen	t (ft.):	Cementing date:	MEMBER TO THE PERSON OF THE PE
A CONTRACTOR OF THE PARTY OF TH		SLL	JRRY		Lacry and the same of
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2	and the second				
3		Land Market Control			
Total					

	CEMENTING TO S	QUEEZE, PLUG	BACK OR PLUG	AND ABANDON	A STATE OF THE	CHEST SE	
	PLUG #1	PLUG #2	PLUG #3	PLUG#4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)			1				
Cement retainer setting depth (ft.)							10000
CIBP setting depth (ft.)					1274 100 000		artificiality.
Amount of cement on top of CIBP (ft.)							
Sacks of cement used	100			Control Section			
Slurry volume pumped (cu. ft.)				4.79	Water State of Control		
Calculated top of plug (ft.)			The support				
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)						Farmer St.	
Class/type of cement				AND THE			
Perforate and squeeze (YES/NO)						7	
1). 2% GEL + 5/10% O-TX47A + 2/10% SMS + CEMENTER'S CERTIFICATE: I declare under p	enalties prescribed						
certification, that the cementing of casing an							
	, tuess presentes o						
certification covers cementing data only.				Pumping			De.
supervision, and that the cementing data and certification covers cementing data only. Anthony Polyon - Service Supervisor Name and title of cementer's representative			O-Tex 8			Alm	ature

Typed or printed name of operator's representative

Address

Title /

Tel: Area Code

Via

Date: mo. day yr.

er

Number

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Weil Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Weil Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a weilbore.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form

A. What to file: An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

8. How to file: An oil and gas completion report and Form W-15 may be filed online using the Commission's Dniine System

City, State, Zip Code

correct, and complete, to the best of my knowledge. This certification covers all well data

(https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).

C. Surface casing: An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14

[http://info.sos.state.tr.us/pis/pub/readtac\$ext.TacPage7si=R&app=9&p_dir=&p_rioc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&cf=3&ri=14}. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

- D. Estimated % wash-out: If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage coment: An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. Sturry data: If cement job exceeds three sturries, continue the list of sturries in the Sturry table in the subsequent Casing Cementing Data box.

RAILROAD COMMISSION OF TEXAS Oil and Gas Division

ELECTRIC LOG STATUS REPORT

Instructions

FORM L-1

Tracking No.: 172671 This facsimile L-1 was generated electronically from data submitted to the RRC.

When to File Form L-1:

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, reclassifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

• with the appropriate Commission district office

Filling out Form L-1:

- Section I and the signature section must be filled out for all wells
- · complete only the appropriate part of Section II

Type of log required:

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject
- uch log is NOT run on the subject well do NOT substitute any

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	other type of log; just s		
SECTION I. ID	ENTIFICATION		
Operator Name: EXL PETROLEUM OPERATING INC.	District No. 08	Completion Date: 02/09	9/2017
Field Name SPRABERRY (TREND AREA) R 40 EXC	Drilling Permit No. 815972		
Lease Name UL COMANCHE UNIT A4144	Lease/ID No. 48829		Well No. 1
County MARTIN	API No. 42- 317-40493		
SECTION II. LOG STAT		· B)	
A. BASIC ELECTRIC LOG NOT RUN			
X B. BASIC ELECTRIC LOG RUN. (Select one)			
X 1. Confidentiality is requested and a copy of the header	for each log that has been run	on the well is attacl	ned.
2. Confidentiality already granted on basic electric log of	overing this interval (applicab	le to deepened well	ls only).
3. Basic electric log covering this interval already on file	e with Commission (applicable	e to deepened wells	only).
4. Log attached to (select one):			
(a) Form L-1 (this form). If the company/lease please enter name on log here:	name on log is different from	that shown in Sect	ion I,
Check here if attached log is being submitte	d after being held confidential		
(b) Form P-7, Application for Discovery Allow	able and New Field Designati	on.	
(c) Form W-4, Application for Multiple Compl	etion:		
Lease or ID No(s).			
Well No(s).		_	
Belle Lowe	Regulatory Analyst		
Signature		Title	
EXL PETROLEUM OPERATING INC.	(432) 686-8080 EXT 4	7 04/27	
Name (print)	Phone		Date
-FOR RAILROAD COI	MMISSION USE ONLY-		

HALLIBURTON

SPECTRAL GAMMA RAY DUAL SPACED NEUTRON SPECTRAL DENSITY

					=	
L		COMPANY	EXL PET	ROLEUM OPERATING	INC.	
EXL PETROLEUM OPERATING INC. COMANCHE A4144 UNIT #4146 SPRABERRY (TREND AREA)		WELL	UL COM	ANCHE A4144 UNIT #4	146	
EXL PETROLEUM OPERATING INC. COMANCHE A4144 U #4146 SPRABERRY (TREND AREA)	TEXAS	FIELD/BLOCK	SPRABE	RRY (TREND AREA)		
XL PE PERA MANC # RABEF Al	=	COUNTY	MARTIN	ST	ATE TEXAS	
SP SO		API No. 42-317-4049	33	1	Other Services:	
ä		SEC: 41, BL	AND 330.0' FE K: 6, ABSTRAC NIVERSITY LA	CT: U10		
COMPANY WELL FIELD/BLOCK COUNTY	STATE				2 1 2 1 3 3 4 7	
Permanent Datum		GI.		Elev. 2897.0 ft	Elev.: K.B.	2922.0 ft
Log measured from		KB		25.0 f. above perm. Datum	D.F.	2922.0 ft
Drilling measured from		KB			GL	2897.0 ft
Date		12-Aug-16				
Run No.		ONE				
Depth - Driller		10038.0 ft				
Depth - Logger		10028.0 ft				
Bottom - Logged Interval		10024.0 ft				
Top - Logged Interval		200.0 ft				
Casing - Driller		9.625 in @ 803	5,0 ft	@	@	
Casing - Logger		8026.0 ft				
Bit Size		8.750 in		@	@	
Type Fluid in Hole		Water Based Mud				
Density Viscosit	у	8.8 ppg 31.00	s/qt			
PH Fluid Lo	22	9,50 pH				
Source of Sample		FLOWLINE				
Rm @ Meas. Temperatur	re	0.74 ohmm @ 82.0	30 degF	@	e	
Rmf @ Moas, Tomperatu	ITO	0.51 olimm @ 75.0	00 degF	@	@	
Rmc @ Meas, Temperati	Jre .	0.90 ohmm @ 80.0	00 degF	@	@	
Source Rmf Rmc		CALC CHA	RT			
Rm @ BHT		0.38 ohmm @ 168	0.0 degF	@	@	
Time Since Circulation		0B:00 hr				
Time on Bottom		12-Aug-16 17:25				
Max. Rec. Temperature		168,00 degF @ 100	28.0 ft	@	@	
Equipment Location	n	11153035 ODE	SSA, TX			
Recorded By		YASIN ABULAIHA		1		
Witnescad Rv		MIKE MARTIN				

Oil and Gas Division PO Box 12967 Austin TX 78711-2967 www.rrc.texas.gov

Tracking No.: 172671

CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

P-4

This facsimile P-4 was generated electronically from data submitted to the RRC. A certification of the automated data is available in the RRC's Austin office.

		name exactly as shown on proration schedule BERRY (TREND AREA) R 40 EXC		nown on proration sched	lule				
3.	Curre	nt operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no	6. County		RC distric	t	
8.	Opera	PETROLEUM OPERATING INC. tor address including city, state, and zip code	256795 48829 MARTIN 08 9. Well no(s) (see instruction E)						
l .		STA DRIVE SUITE 2800 AND, TX 79705	1 10. Classification					e	
a.	Chan	se of Filing. (Complete section a or b below.) (See instructions B and G) ge of:	gas gatherer	gas purchaser	gas pu	rchaser	system co	de -	
b.	New			ation, or subdivision (reclass oil to gas [recla	ass gas to	oil	
Gatherer	Purchaser [1]	Name of GAS WELL GAS of CASINGHEAD GAS Gatherer(s) and of Futchaser Gatherer(s) or Purchaser(s) As Indicate (Attach an additional sheet in same form	SINGHEAD GAS ed in Columns to the L	eft	Purchase RRC Assigned System C	i l'	rcent of Take	Full-well stream	
	Х	CORONADO MIDSTREAM LLC(179361)			0001		0.00		
Х		ENLINK NORTH TEXAS GATHERING, LP(252776)				10	0.00		
14.	Autho	orized OIL or CONDENSATE Gatherer(s). (See instruction G).			•				
		Name of OIL or CONDENSATE Gatherer (Attach an additional sheet in san					Perce Tal		
PLA	AINS	MARKETING, L.P.(667883)					100.0		
RI	RC US	E ONLY: Reviewer's initials: RRC Staff Approval	date: 08/30/20	17					
res	ponsit	VIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATO bility for the well(s) designated in this filing, located on the subject lease has be Operator, that designation of the above named operator as Current Operator is	een transferred in its e	ntirety to the above nam	ned Current Operato	or. I unde			
Na Na	me of	Previous Operator	Signature					_	
Na	ıme (p	rint)	Authorized of previous		Authorized operator (s			IS	
Ti	tle		Date		Phone with area cod	le		_	
ack res	nowle ponsit	RENT OPERATOR CERTIFICATION. By signing this certificate as the edge responsibility for the regulatory compliance of the subject lease including publicy for the physical operation, control, and proper plugging of each well designated a new certificate designating a new Current Operator is approved by the	g plugging of well(s) p ignated in this filing. I	ursuant to Rule 14. I fu	rther acknowledge	that I ass	sume		
_		ETROLEUM OPERATING INC.	Belle Lowe						
	ime (p Reau	rint) latory Analyst	Signature X Authorized	Employee	Authorized	agent o	f current		
_	tle	acory , unaryou	of current of		operator (se	_			
_		@exlpetroleum.com	07/17/2017		(432) 686-8080		17	_	
E-mail Address (optional) Date Phone with area code									

RAILROAD COMMISSION OF TEXAS Oil and Gas Division PO Box 12967 Austin, Texas 78711-2967 www.rrc.state.tx.us

CERTIFICATE OF POOLING AUTHORITY

P-12

Revised 05/2001

Field Name(s)		2. Lease/ID Number (if assigned)	3. RRC District Number			
Spraberry (Trend Area) F	R 40 EXC	The second secon	08 6. Well Number 4146			
Operator Name ExL Petroleum Operating	g Inc.	5. Operator P-5 Number 256795				
7. Pooled Unit Name		8. API Number	9. Purpose of Filing			
UL Comanche A4144 U	nit		☐ Drilling Permit (W-1) ☐ Completion Report			
10. County Martin		11.Total acres in pooled unit 479.86				
DESCR	RIPTION OF INDIVIDUAL TRACTS O	CONTAINED WITHIN THE POO	LED UNIT			
TRACT/PLAT TRACT IDENTIFIER NAME		ACRES IN TRACT (See inst. #7 below)	INDICATE UNDIVIDED INTERESTS UNLEASED NON-POOLED			
1 Tract 1		159.96				
2 Tract 2		159.95	пп			
3 Tract 3	tal sign of the si	159.95				
g. 10 m 3						
y get med a						
		人名 化表示 计编码				
	Andrew Andrews					
e sur	grandeling strategic		пп			
	The state of the s					
CERTIFICATION:						
	cribed pursuant to the Sec. 91.143, the information provided by me or est of my knowledge.					
Signature		Print Name 05/31/2016	ggan senam numbah			
Regulatory Analyst	ulatory Analyst belle@exlpetroleum.com E-mail (# available)		(432) 686-8080			
Title						

- Rule 38(d)(3) the operator must file an original Certificate of Pooling Authority and certified plat.
- 2. The certified plat shall designate each tract with an outline and a tract identifier. The tract identifier on the plat shall correspond to the tract identifier and associated information listed on the Certificate.
- 3. If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
- 4. If the Purpose of Filing is to obtain a drilling permit, in box #1 list all applicable fields separately or enter "All Fields" if the Certificate pertains to all fields requested on Form W-1.
- 5. If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
- 6. Identify the drill site tract with an * to the left of the tract identifier.
 7. The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.

Clear	Form
01001	

Page	of
g- <u> </u>	

TO THE STORY OF TH

Address

RAILROAD COMMISSION OF TEXAS

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967 P-16 Data Sheet (Optional) Page 1 Rev. 09/2014

	S		Acreage D	esignation			
	Sec. 17		SECTION I. OPERAT	OR INFORMATION		- F	
Operator Name: Ext	. Petroleum	Operating Inc.		Operator P-5 No.	256795		
Operator Address: 6	3 Desta Drive	s Suite 2800, Midland,	TX 79705				
ALUE BUILD			SECTION II. WEL	INFORMATION		,11111	LEADING PROPERTY.
District No.: 08				County: Martin			Purpose of Filing:
Well No.: 1	110			API No.: 317-40493			Drilling Permit Application
Total Lease Acres: 4	79.86			Drilling Permit No	.: 815972		(Form W-1)
Lease Name: UL Com	anche A414	4 Unit		Lease No.:			Completion Report
Field Name: Spraberry	(Trend Are	a) R 40 EXC	312	Field No.: 85280301			(Form G-1/W-2)
as operator below, F	or all lease	es operated by other	by the owner or lessee, of all or er entitles, the number of assign ssigned acreage of that operator	ed acres shown are r	of the minera effected on cu	l estate und rrent Comm	er each tract for which filer is liste lission records or the filer has bee
SEC	TION III.	LISTING OF ALL V	VELLS IN THE APPLIED FOR FI	ELD ON THE SAME	ACREAGE AS	THE LEASE	, POOLED UNIT,
		OR	UNITIZED TRACT DESIGNATE	D IN SECTION II ABO	OVE BY FILER		
RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
40706	1	V	University 6-44	31735780	80	N	Ajax Resources 000597
40706	2	V	University 6-44	31736011	80	N	Ajax Reources 000597
35243	2	٧	University MAK 6-41	31732480	160	N	EnergyQuest II LLC 252020
815972	1	н	UL Comanche Unit A4144	31740493	479.86	N	
Total Well Count >	4	479.86	< A. Total Assigned Horiz.	_	799.86	4	l Assigned Acreage
		0	< Total Remaining Horiz		0	< Tota	l Remaining Acreage
		0	< B. Total Assigned Vert./D	_			
		0	< Total Remaining Vert.,	Dir. Acreage			
	or parties	SE	CTION IV. REMARKS / PURPO	SE OF FILING (see	instructions)		
The well #410	6 refe	renced in the	e problem letter is us	ed above as	the Unive	ersity M	AK 6-41 #2
Attach Additional P	ages As I	Needed.	No additional pages	Additional Page	es: (N	o. of additi	ional pages)
ERTIFICATION: Ydecl	are under thorized to	penaltles prescribe make this report, a	ed in Sec. 91.143, Texas Natural and that the information contain Belle Lowe Regula	ed in this report is tru	t this report w ie, correct, and	as prepared d complete t	d by me or under my supervision to the best of my knowledge.
Signature			Name and title (type or prin	it)		de email add its public rel	dress <i>only</i> if you affirmatively lease)
6 Desta Drive	e. Suite	e 2800 Midl	and, TX 79705	432	2-686-808	0	07/17/2017

Zip Code

City,

State,

Tel: Area Code

Number

Date: mo. day yr.

Form P-17

Rev. 04/2015



Commingling Permit No.

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

RAILROAD COMMISSION OF TEXAS

APPLICATION FOR EXCEPTION TO STATEWIDE RULES (SWR) 26 AND/OR 27

New Amended Existing Permit No
Effective Month Year of Requested Exception: 00 / 200
District 08
County Martin
·

SECTION 1. C	OPERATOR INFORMATION								<u> </u>	
Operator Nam	perator Name: Ext. Petroleum Operating Inc. Operator P-5 No.: 256795									
Operator Address: 6 Desta Drive, Suite 2800, Midland, TX 79705										
SECTION 2. GATHERER (of oil or condensate) INFORMATION (not required if 3b is checked)										
Gatherer Nam	Gatherer Name: Plains Pipeline, LP Gatherer P-5 No.: 667883									
Gatherer Add	ress: PO Box 4648, Houston, TX 77.	210								
Gatherer E-ma										
	If provided, e-mail address						reco			
SECTION 3.	APPLICATION APPLIES TO (CHE	CK ALL THAT	T A	PPLY):			OIL	CASINGHEAD GAS GAS WELL GAS	CONDENSATE
b)	Form R-3 Serial # (If full well stream is checked, the results of periodic tests to determine the number of stock tank barrels of liquid hydrocarbons recovered per 1,000 standard cubic feet of gas must be reported on Form G-10 in accordance with SWR 55. Attach an explanation of any exceptions to SWR 55.) c) Condensate and low-pressure Gas Well Gas are commingled into low-pressure separation and storage facilities. d) This request is for off lease: Storage Separation Metering e) This exception is for common storage. f) This exception is for common separation. g) Deduct Metering Allocation by well test Other									
SECTION 4. I	This exception is for gas w	ND.	ALLOCATION	I N	IETHO	D. ((CHE	CK ALL	THAT APPLY)	-
									all wells proposed for commingling:	
b)	The royalty interests and wather royalty interests and wather of the condition of the wells produce from must be well to the from must be well	ork ork in w ultip ultip	ing interests ing interests ill be allocate de reservoirs de reservoirs de reservoirs	ar ar ed . (/	e the same not the by: Described with the best force of the best f	he W req	same same -10 (e guiree WR10	th resp e_with : oil) d unles D excep ed sepa	wells before commingling. (Notice not required; Skip to the identity and percentage. (Notice not required) respect to identity and percentage. (Notice required) W-2 retest (oil) PD Meter (oil & condensate) G-5 4e. or 4f. apply; see instructions for additional required parately from each reservoir. (Notice not required) a Commission-designated reservoir for which special in the identity of the instructions for additional required.	10 (gas) ments)
SECTION 5.	Wells proposed for o	om	mingling hav	/e a	an opei	rat	or's	name o	ther than the applicant listed in SECTION 1. (See instru	ıctions)
SECTION 6.	For oil production, the	10 D	roduction fr	on	all oil	W	ells o	n each	oil lease is to be commingled. (See instructions)	
SECTION 7	IDENTIFY LEASES AS SHOW	VN	ON COMMIS	SI	ON REC	:01	RDS	lattacl	additional pages as needed)	
DISTRICT	RRC IDENTIFIER		_		TION				LEASE AND FIELD NAME	WELL NO.
08	815972		Existing		Add		De	lete	UL Comanche A 4144, Phantom (Wolfcamp)	4146
08	815971	1			Add	Ť	=-	lete	UL Comanche A 4144, Phantom (Wolfcamp)	4166
		1			Add	Ī	De			
		-	Existing	Ħ	Add	Ť		lete		
ATTACH ADD	DITIONAL PAGES AS NEED!	D.	No add	iti		ge.			ditional pages (# of additional pages)	* 21
FFF: \$150 Fil	ing Fee + \$225 Surcharge	= \$3	75 total rem	itt	ance re	equ	uired	(See S	tatewide Rule 78)	
CERTIFICATE: under my super related require	I declare under penalties in S	ec. 9 at th cted	1.143, Texas N e data and fac state agencie	Vat ets es l	ural Res stated t nave bed state ag	iou hei en gen	rces (rein a subm rcies !	Code, the re true, nitted an	at I am authorized to file this application, that this application correct, and complete to be the best of my knowledge. I cend that I understand that any authorization granted by Completed.	rtify that all requests for mission approval of this
	010									
Operator E-ma	ail Address:								Operator Phone No	
(Option	al – If provided, e-mail addres	s wi	Il become part	t of	this pu					THE COLUMN THE PROPERTY OF THE
MARKET BY SERVICE						R	RC	US	ONLY	

Approval date:

Approved by:

THE RED THERMO SECURED "SP" LOGO IN THE LOWER CORNER OF THIS CHECK MUST FADE TEMP EXIL PETROLEUM OPERATING INC.	001114
6 DESTA DRIVE, SUITE 2800 MIDLAND, TX 79705	DATE 8 5 16 11-24/1210
PAY Railroad Commission of Texas	\$ 375
Three hundred seventy-five + no/wo-	DOLLARS
WELLS FARGO Wells Fargo Bank, N.A. MEMO P-17 815971 815972	Mark of Gully sore
#001114# #121000248#	412284641911

31	30 EXL Petroleum Operating, LLC		N15'03'09"W C 5280.88	9 codriguez DATE Revised: 55/4/16 5/18&26/16 5/18&26/16 1983/CORS TX Central 1983/CORS TX Central 553839.19 553839.19
40	N76'57'27"E 2639.09'	N76'57'27"E 2639.09'	42	Rodriguez Rodriguez Rodriguez DATE ROFFH #6, ROFFH AMERIC 1983/CO 1983/CO ROFFH SHL
N13'03'24"W 5280.86'	WEST HALF OF SECTION 41	NORTHEAST QUARTER OF SECTION 41 EXL PETROLEUM SHL/PP LEASE HOLDER COMUNICAL N76'57'27"E 2639.00' FTP 330.0' FEBL SOUTHEAST QUARTER OF SECTION 41 Tract 1 159.96 Acres	2640.44'	46 EXL PETROLEUM OPERATING, LLC Wolcott.Dw 6 Desta Drive Suite 2800 ty, Texas Midland, Texas 79705 Suite 2800 Korest Post office Southeast to Lenorah, TX 1 = 1000' Acheret 479.86 in Unit Relations Southeast to Lenorah, TX 1 = 1000' Acheret 479.86 in Unit Relations Southeast to Lenorah, TX 1 = 1000' SHL 2897' SHL 2897' SHL 2897 BHL 6872839.76 BHL 314812.08
45	S76°57'28"W 2638.90'	S76'57'28"W 2638.90'	Found Monum "41-42	4144 UNIT #41 Irter of Section 4 Is, Martin Cour FEL EL FEL 102.11.49.733" EBL 102.11.22.937" EBL 102.11.22.937" EBL 2.550.7810;
5280.42'	BLOCK 6, U ,67.0492 NORTHWEST QUARTER OF SECTION 44	NORTHEAST QUARTER OF SECTION 44 91 Tract 2 159.95 Acres 4	S1302'44'E 8836.2' 2640.38' E 5280.76'	DESCRIPTION: UL COMANCHI The Southeast and the East and the East Block 6, University I LOCATION SHL 1675.4 FNL & 330 I LOCATION FIP 0.0° FSL & 330 I LOCATION FIP 0.0° SHL 32.26°36.149°* AND, TEXAS 79711;
N13'02'37"W	S76'57'33"W 2638.85' SOUTHWEST QUARTER OF SECTION 44 EX, 205'15		2640.38' S 13'02'29"	The well location shown on this plot represent an actual survey mode by me or under my supervision to the best of my knowledge on belief as surveyed an the ground on 4/28/16 & 5/3/16. 3/5/AN PIPER 3/5/AN PIPER 4/5/5/ERED PROFESS//NAL LAND SURVEYOR 6/5/5/ERED PROFESS//NAL LAND SURVEYOR
3	2638.81' 2 S76'57'41"\ BLOCK 7, UI		BBHL	Boundary Construction base on Survey of University Land by F.F. Friend in 1930 & 1931. = Standard 8" Concrete Manument with 4" square Brass Tablet marked with Section Number set by Frank



Groundwater Advisory Unit

Date Issued: 03 June 2016 **GAU Number:** 155813 Attention: **EXL PETROLEUM OPERATING API Number:** County: **MARTIN** 6 DESTA DRIVE SUITE 2800 UL Comanche A4144 Unit Lease Name: MIDLAND, TX 79705 Lease Number: **Operator No.:** 256795 4146 Well Number: 9350 **Total Vertical Depth:** Latitude: 32.466723 Longitude: -102.196714 Datum: NAD27

Purpose: New Drill

Location: Survey-UL; Abstract-U10; Block-6; Section-41

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The interval from the land surface to a depth of 350 feet must be protected.

This recommendation is applicable to all wells within a radius of 200 feet of this location.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 06/03/2016. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

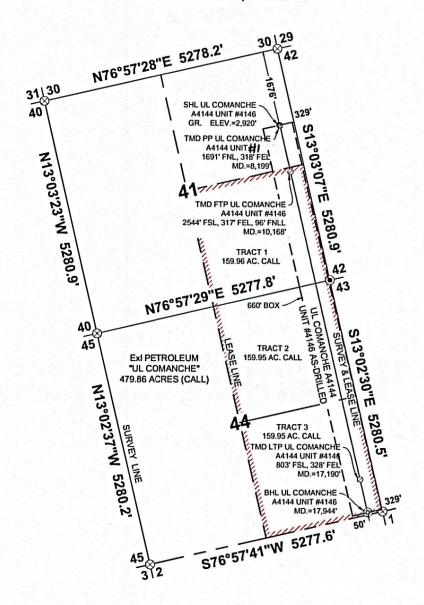
Form GW-2 Rev. 02/2014 P.O. Box 12967 Austin, Texas 78771-2967

512-463-2741

Internet address: www.rrc.texas.gov

AS-DRILLED PLAT

SECTION 41, BLOCK 6, UNIVERSITY LANDS SURVEY. **MARTIN COUNTY, TEXAS**



SHL	NAD 83, TX-NC, N.(Y): = 6872839.8', E.(X): = 828491.0' - LAT.: = 32*28*00.58" N, LON.: = 102*11'49.73" W
	NAD 27, TX-NC, N.(Y): = 323438.9', E.(X): = 551927.0' - LAT.: = 32.4667246* N, LON.: = 102.1967145* W
TMD PP	NAD 83, TX-NC, N.(Y): = 6872827.7', E.(X): = 828505.6' - LAT.: = 32*28*00.47" N, LON.: = 102*11*49.56" W
	NAD 27, TX-NC, N.(Y): = 323426.8', E.(X): = 551941.5' - LAT.: = 32.4666930* N, LON.: = 102.1966658* W
TMD FTP	NAD 83, TX-NC, N.(Y): = 6871809.1', E.(X): = 828742.6' - LAT.: = 32*27*50.48" N, LON.: = 102*11*46.38" W
	NAD 27, TX-NC, N.(Y): = 322405.8', E.(X): = 552168.7' - LAT.: = 32.4639174° N, LON.: = 102.1957818° W
	NAD 83, TX-NC, N.(Y): = 6864966.3', E.(X): = 830316.5' - LAT.: = 32*26'43.36" N, LON.: = 102*11'25.21" W
TMD LTP	NAD 27, TX-NC, N.(Y): = 315548.4', E.(X): = 553677.2' - LAT.: = 32.4452712* N, LON.: = 102.1899035* W
	NAD 83, TX-NC, N.(Y): = 6864231.6', E.(X): = 830485.5' - LAT.: = 32*26'36.15" N, LON.: = 102*11'22.94" W
BHL	NAD 27, TX-NC, N.(Y): = 314812.1', E.(X): = 553839.2' - LAT.: = 32.4432692° N, LON.: = 102.1892725° W

SURVEYOR'S NOTES:

- ALL DOWNHOLE, POINT OF PENETRATION AND BOTTOM HOLE INFORMATION AND THEIR LOCATIONS WERE PROVIDED BY EXIPETROLEUM, AND ARE NOT GUARANTEED BY THIS SURVEYOR.
- SEE DOCUMENTS FILED IN THIS OFFICE WHICH DESCRIBE IN DETAIL THE RECONSTRUCTION OF THESE SECTIONS AND/OR BLOCKS, USING FOUND MONUMENTATION, GLO AND COURTHOUSE DOCUMENTATION.
- NO SURFACE OWNERSHIP WAS PROVIDED OR REQUESTED BY EXI PETROLEUM AND NONE WAS RESEARCHED OR PROVIDED BY WTC, INC. BASIS OF BEARING, COORDINATES, AND DISTANCES ARE A LAMBERT CONICAL BASIS OF BEARING, COURDINATES, AND DISTANCES ARE A LAMBERT CONICAL PROJECTION OF THE TEXAS COORDINATE SYSTEM, STATE PLANE GRID, NAD 83, TEXAS NORTH CENTRAL (4202),WITH A CONVERGENCE ANGLE OF 02°01'12.64" AND COMBINED SCALE FACTOR OF 0.9997925, BASED ON AN OPUS SOLUTION ON CONTROL POINT STAN AT N.=6863831.016' - E.=826037.138'
 THIS LOCATION IS APPROXIMATELY 23.1 MILES S.39W., FROM LAMESA, TEXAS.



O DENOTES PROPOSED/ PERMITTED SHL WELL LOCATION

DENOTES EXISTING WELL

LEGEND

- **DENOTES POINT OF PENETRATION**
- DENOTES BOTTOM HOLE/ TERMINUS LOCATION 0 DENOTES FIRST/ LAST TAKE
- DENOTES FOUND SECTION CORNER
- **⋈** DENOTES CALCULATED CORNER

DENOTES LEASE AREA 1000 2000 FEET

SCALE: 1" = 1000

7/77/72



I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PERMIT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ACTUAL ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THE INFORMATION PRESENTED HEREON IS FOR TEXAS RAILROAD COMMISSION PERMITTING ONLY, AND DOES NOT CONSTITUTE OR REPRESENT A COMPLETE BOUNDARY SURVEY AS DEFINED BY THE T.B.P.L.S., "PROFESSIONAL LAND SURVEYING PRACTICES ACT." IF THERE ARE ANY ALTERATIONS MADE, (HAND DRAWN OR HANDWRITTEN ADDITIONS) THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

March 7, 2017

DATE

Gregory W. Shoults, RPLS, No. 5356

SURVEY DATE: N/A W.O. NUMBER: WTC51703

DRAFT: M.Y SHEET: 1 OF 1

1000



UL COMANCHE A4144 UNIT # LOCATED 1675' FNL. SHL AND 329' FEL SECTION 41, BLOCK 6, U.L MARTIN, TEXAS.



WTC, NC.
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-521810 FRM F-2746
TEXAS REGISTERED SURVEYOR FIRM #100782-00

Chappell, Michelle

Subject: FW: UL Comanche A4144 Unit 4146 API 42-317-40493

From: Garrick Clayton [mailto:gclayton@exlpetroleum.com]

Sent: Wednesday, April 12, 2017 11:25 AM

To: Chappell, Michelle <mchappell@utsystem.edu> **Cc:** Mike Langford <langford@exlpetroleum.com>

Subject: RE: UL Comanche A4144 Unit 4146 API 42-317-40493

Hey Michelle,

So this can get a little tricky to explain so I'm going to break it down in an order of events. I'll add some explanation too.

- Drilled to 17,240'
- Pulled up and took a survey at 17,208' (on survey sheet)
- Drilled to 17,282'
- Pulled up and took a survey at 17,259' (on survey sheet)
- Began to drill and drilling motor broke. (tried to get it out but could not get it)
- Casing was set at 17,258' and cemented (everything below 17,258' is cemented)

In a case like this, there was no projection because we have a real survey at the depth that we set the pipe and all other hole was cemented in.

I hope this clarifies things and if not, I will continue to help until we get it.

Thanks, Garrick

From: Chappell, Michelle [mailto:mchappell@utsystem.edu]

Sent: Tuesday, April 11, 2017 5:18 PM

To: Garrick Clayton < gclayton@exlpetroleum.com >

Subject: FW: UL Comanche A4144 Unit 4146 API 42-317-40493

Were you not able to get the ones that have the projection to bit going to the TD of 17282? Thanks! Michelle