

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB No 1004-0137
Expires October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5 Lease Serial No
NMNM01135

6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7 If Unit of CA/Agreement, Name and/or No

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No
FECTA 33 FEDERAL #2H

2 Name of Operator
OCCIDENTAL PERMIAN LTD

9 API Well No
30-025-40280

3a Address
P O BOX 4294, HOUSTON, TX 77210

3b Phone No (include area code)
713-513-6640

10. Field and Pool or Exploratory Area
LUSK BONE SPRING, SOUTH (41430)

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)
141° FNL & 2347° FWL NENW (C), SEC 33 T19S R32E

11 County or Parish, State
LEA COUNTY, NM

12 CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Occidental Permian LTD respectfully request to change our drilling plans on the above mentioned location. We believe that the change will better allow us to have countinuous circulation through the drilling and cementing processes. Should you have any questions or need additional information, please feel free to contact me at any time.

HOBBS OCD

JUL 10 2012

RECEIVED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14 I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Jennifer Duarte (jennifer_duarte@oxy.com)

Title Regulatory Analyst

Signature

Date 06/20/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

APPROVED

JUL 5 2012

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

JUL 10 2012

APD DATA – SUNDRY –

OPERATOR NAME / NUMBER: OXY USA Inc 16696
 LEASE NAME / NUMBER: Fecta 33 Federal # 2H Federal Lease No:
 STATE: NM COUNTY: Lea
 SURFACE LOCATION: 141' FNL & 2347' FWL, Sec 33, T19S, R32E
 BOTTOM HOLE LOCATION: 330' FSL & 1980' FWL, Sec. 33, T19S, R32E
 C-102 PLAT APPROX GR ELEV: 3555.4'
 EST KB ELEV: 3579.4' (24' KB)

1. JUSTIFICATION:

Due to losses found while drilling the Fecta 33 Federal Com #1H in the intermediate section across the Capitan Reef, the Fecta 33 Federal Com #2H will be designed with 4 strings of casing. Below are the proposed changes which include a new casing program, cement program, directional plan, BOP schedule, and mud program.

2. CASING PROGRAM:

Surface Casing: 20" casing set at $\pm 870'$ MD / 870' TVD in a 26" hole filled with 8.6 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 870'	870'	94	J55	ST&C	520	2110	784	19.124	18.936	1.72	2.34	11.02

Intermediate1 Casing: 13 $\frac{3}{8}$ " casing set at $\pm 2600'$ MD / 2600' TVD in a 17.5" hole filled with 10 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 2600'	2600'	61	J-55	ST&C	1540	3090	595	12.515	12.359	1.76	2.75	4.31

Intermediate2 Casing: 9 $\frac{5}{8}$ " casing set at $\pm 3340'$ MD / 3340' TVD in a 12 $\frac{1}{4}$ " hole filled with 8.4 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 3340'	3340'	40	L-80	LT&C	3090	5750	727	8.835	8.75	2.38	1.57	6.33

Production Casing: 5.5" casing set at $\pm 13659'$ MD / 9400' TVD in a 8 $\frac{3}{4}$ " hole filled with 9.4 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 13659'	13659'	17	L-80	BT&C	6290	7740	397	4.892	4.767	1.37	2.12	2.89

Collapse and burst loads calculated using Stress Check with actual anticipated loads.

3. CEMENT PROGRAM:

Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /s k	24 Hr Comp
Surface (TOC: 0')							
Lead: 0' - 756' (165% Excess)	1670	756	Premium Plus Cement, with 4% Bentonite, 2% Calcium Chloride, & 0.125 lbm/sk Poly-E-Flake	9.18	13.50	1.75	1069 psi
Tail: 756' - 870' (165% Excess)	400	114	Premium Plus cement with 2% Calcium Chloride	6.39	14.80	1.35	1827 psi

Intermediate Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /s k	24 Hr Comp
Intermediate 1 (TOC: 0')							
Lead: 0' - 2250' (105 % Excess)	1550	2250	Light Premium Plus Cement, with 5% Salt, 5 lbm/sk Kol-Seal, & 0.125 lbm/sk Poly-E-Flake	9.87	12.90	1.90	760 psi
Tail: 2250' - 2600' (105 % Excess)	400	350	Premium Plus cement with 1% Calcium Chloride	6.36	14.80	1.34	2032 psi

Intermediate Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /s k	24 Hr Comp
Intermediate 2 (TOC: 0')							
Lead: 0' - 2857' (150% Excess)	630	2857	Light Premium Plus Cement, with 5% Salt, 5 lb/sk Lp;-Seal, & 0.125 lb/sk Poly-E-Flake	9.99	12.90	1.91	625 psi
Tail: 2857' - 3350' (150% Excess)	300	493	Premium Plus cement with 2% Calcium Chloride	6.39	14.80	1.35	1746 psi

Production Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /s k	24 Hr Comp
Production (TOC: 8000') 1 st Stage							
Lead: 8000' - 13659' (85% Excess)	1630	5659	Super H Cement, 0.125 lbm/sk Poly-E- Flake, 3 lbm/sk Kol-Seal, 0.5 % Halad(R)-344, 0.4 % CFR-3, & 0.3 % HR-601, 1 lbm/sk Salt	8.25	13.20	1.63	1275 psi
DV Tool @ 8000							
Production (TOC: 3400') 2 nd Stage							
Lead: 3400' - 7766' (125% Excess)	1150	4366	Light Premium Plus, 5 lbm/sk Kol- Seal, 0.125 lbm/sk Poly-E-Flake, 5 lbm/sk Salt, 0.4% HR-601	11.80	12.40	2.17	709 psi
Tail: 7766' - 8000' (125% Excess)	100	234	Premium Plus cement with 0.15% HR- 601	6.35	14.80	1.33	1303 psi

See
10A

See OA 4325

Pack-Off Stage Tool @ 3400'							
Production (TOC: Surface) 3 rd Stage							
Lead: 0' – 3012' (10% Excess)	430	3012	Light Premium Plus with 3 lb/sk Salt	11.39	12.4	2.05	299 psi
Tail: 3012' – 3400' (10% Excess)	100	388	Premium Plus cement with 2% Calcium Chloride	6 39	14.80	1.35	2100 psi

4. DIRECTIONAL PLAN:

Please see attached directional plan

5. PRESSURE CONTROL EQUIPMENT:

Surface: 0 – 870' None

Intermediate1: 0 – 2600' First intermediate hole will be drilled with a 2M Annular Diverter system.

Intermediate2: 0 – 3340' Second intermediate hole will be drilled with a 13-5/8" 10M two ram stack w/ 5M annular preventer, & 10M Choke Manifold. Based on max anticipated pressure of 3700 psi, a 5M BOP is required.

Production: 0 – 13659' Production hole will be drilled with a 13-5/8" 10M two ram stack w/ 5M annular preventer, & 10M Choke Manifold.

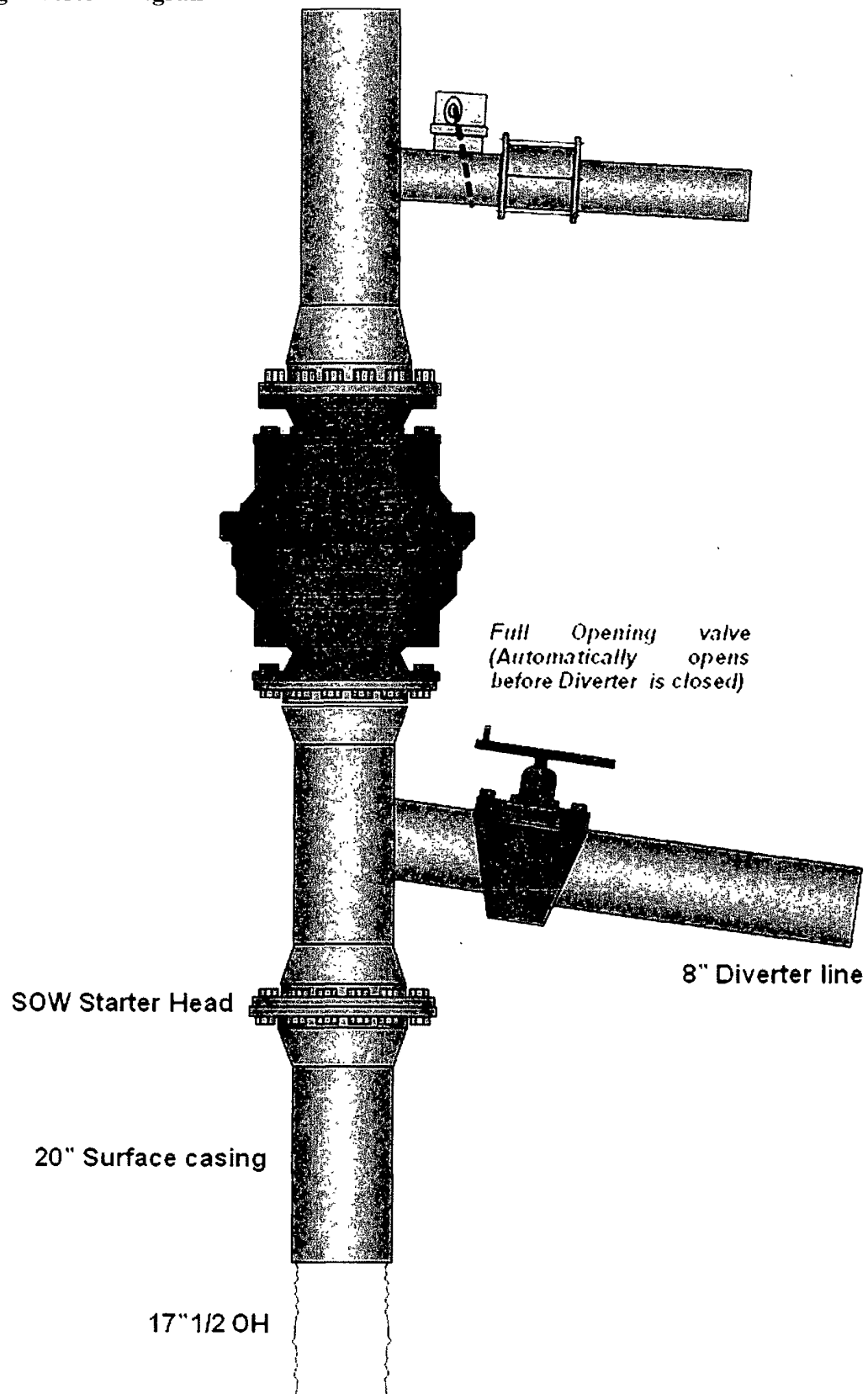
- All BOP's and associated equipment will be tested in accordance with Onshore Order #2 (250/5000 psi on rams for 10 minutes each and 250/3500 for 10 minutes for annular preventer, equal to 70% of working pressure) with a third party BOP testing service before drilling out the 13-3/8" casing shoe. Wellhead pressure rating will support this test and 13-3/8" casing will be protected from high pressure. Since the wellhead system is a multibowl design, this initial test will cover the requirements prior to drilling out the 9-5/8" casing shoe
- Oxy requests a variance to use a 2M Diverter on the 20" surface casing
- See attached Diverter diagram.

6. MUD PROGRAM:

Depth	Mud Wt ppg	Vis Sec	Fluid Loss	Type System
0 – 870' 9.6-10	8.4 – 8.9	32 – 34	NC	Fresh-Water-/Spud-Mud
870' – 2600'	9.8 – 10.0	28 – 29	NC	Fresh Water
2600' – 3340' 42.75	8.6 – 8.8	28- 29	NC	Brine Water
3340' – 8000'	8.6 – 8.8	28- 29	NC	Fresh Mud
8000' - TD	9.0 – 9.4	35 - 50	8 - 15	Salt Gel

Remarks: Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times.

20" Casing Diverter Diagram





Weatherford[®]

Drilling Services

Proposal

OCCIDENTAL PERMIAN LTD.

FECTA 33 FEDERAL COM #2H

LEA COUNTY, NEW MEXICO

WELL FILE: **PLAN 2**

APRIL 10, 2012

Weatherford International, Ltd.

P O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

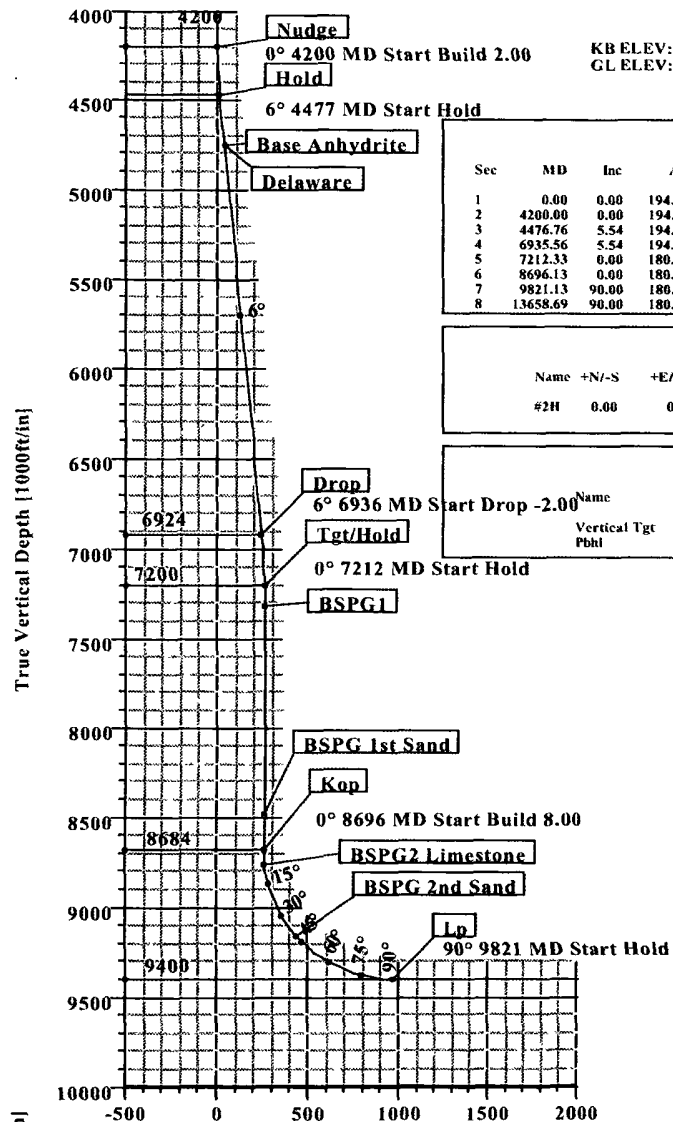
+1.432.561.8895 Fax

www.weatherford.com



Fecta 33 Fed Com #2H
Lea Co, New Mexico

KB ELEV: 3580.4
GL ELEV: 3555.4

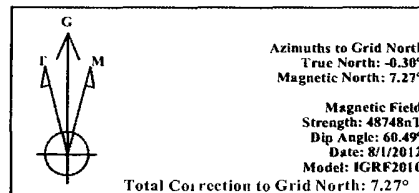


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	194.71	0.00	0.00	0.00	0.00	0.00	0.00	
2	4200.00	0.00	194.71	4200.00	0.00	0.00	0.00	0.00	0.00	
3	4476.76	5.54	194.71	4476.33	-12.92	-3.39	2.00	194.71	12.97	
4	6935.56	5.54	194.71	6923.67	-242.32	-63.61	0.00	0.00	243.22	
5	7212.33	0.00	180.04	7200.00	-255.24	-67.00	2.00	180.00	256.19	Vertical Tgt
6	8696.13	0.00	180.04	8683.80	-255.24	-67.00	0.00	0.00	256.19	
7	9821.13	90.00	180.04	9400.00	-971.44	-67.44	8.00	180.04	972.31	
8	13658.69	90.00	180.04	9400.00	-4809.00	-69.80	0.00	0.00	4809.51	Pbhl

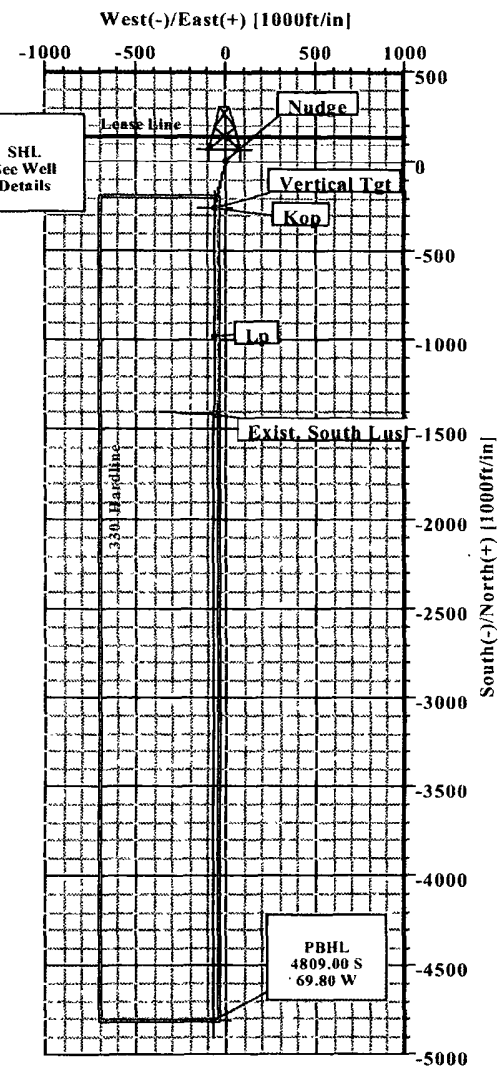
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#2H	0.00	0.00	591045.50	672945.70	32°37'25.072N	103°46'17.771W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
Vertical Tgt	7200.00	-255.24	-67.00	590790.26	672878.70	Point	
Pbhl	9400.00	-4809.00	-69.80	586236.50	672875.90	Point	

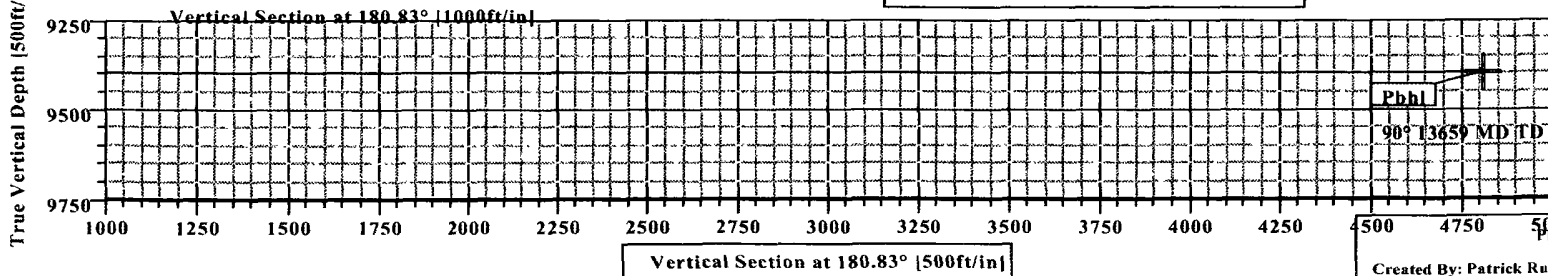
SITE DETAILS
Fecta 33 Fed Com #2H
Site Centre Northing: 591045.50
Easting: 672945.70
Ground Level: 3555.40
Positional Uncertainty: 0.00
Convergence: 0.30



FIELD DETAILS
Lea Co, New Mexico (Nad 27)
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North



Weatherford





Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/10/2012	Time: 09:57:07	Page: 1
Field: Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference: Well: #2H, Grid: North		
Site: Fecta 33 Fed Com #2H	Vertical (TVD) Reference: SITE 3580.4		
Well: #2H	Section (VS) Reference: Well: (0.00N, 0.00E, 180.83Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #2	Date Composed: 4/10/2012
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Lea Co, New Mexico (Nad 27)

Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Fecta 33 Fed Com #2H

Site Position:	Northing: 591045 50 ft	Latitude: 32 37 25.072 N
From: Map	Easting: 672945 70 ft	Longitude: 103 46 17.771 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3555 40 ft		Grid Convergence: 0 30 deg

Well: #2H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 591045 50 ft
+E/-W 0.00 ft	Easting: 672945 70 ft
Position Uncertainty: 0.00 ft	Latitude: 32 37 25.072 N
	Longitude: 103 46 17.771 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 8/1/2012	Above System Datum: Mean Sea Level
Field Strength: 48748 nT	Declination: 7.57 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.49 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0.00
0.00	0.00
0.00	180.83

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	194.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	194.71	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4476.76	5.54	194.71	4476.33	-12.92	-3.39	2.00	2.00	0.00	194.71	
6935.56	5.54	194.71	6923.67	-242.32	-63.61	0.00	0.00	0.00	0.00	
7212.33	0.00	180.04	7200.00	-255.24	-67.00	2.00	-2.00	0.00	180.00	Vertical Tgt
8696.13	0.00	180.04	8683.80	-255.24	-67.00	0.00	0.00	0.00	0.00	
9821.13	90.00	180.04	9400.00	-971.44	-67.44	8.00	8.00	0.00	180.04	
13658.69	90.00	180.04	9400.00	-4809.00	-69.80	0.00	0.00	0.00	0.00	Pbhl

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
4200.00	0.00	194.71	4200.00	0.00	0.00	0.00	0.00	591045.50	672945.70	Nudge
4300.00	2.00	194.71	4299.98	-1.69	-0.44	1.69	2.00	591043.81	672945.26	
4400.00	4.00	194.71	4399.84	-6.75	-1.77	6.77	2.00	591038.75	672943.93	
4476.76	5.54	194.71	4476.33	-12.92	-3.39	12.97	2.00	591032.58	672942.31	Hold
4500.00	5.54	194.71	4499.46	-15.09	-3.96	15.14	0.00	591030.41	672941.74	
4600.00	5.54	194.71	4599.00	-24.42	-6.41	24.51	0.00	591021.08	672939.29	
4700.00	5.54	194.71	4698.53	-33.75	-8.86	33.87	0.00	591011.75	672936.84	
4751.71	5.54	194.71	4750.00	-38.57	-10.13	38.72	0.00	591006.93	672935.57	Delaware
4800.00	5.54	194.71	4798.06	-43.08	-11.31	43.24	0.00	591002.42	672934.39	
4900.00	5.54	194.71	4897.60	-52.41	-13.76	52.60	0.00	590993.09	672931.94	
5000.00	5.54	194.71	4997.13	-61.74	-16.21	61.97	0.00	590983.76	672929.49	
5100.00	5.54	194.71	5096.66	-71.07	-18.65	71.33	0.00	590974.43	672927.05	
5200.00	5.54	194.71	5196.20	-80.40	-21.10	80.69	0.00	590965.10	672924.60	
5300.00	5.54	194.71	5295.73	-89.73	-23.55	90.06	0.00	590955.77	672922.15	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd.
Field: Lea Co; New Mexico (Nad 27)
Site: Fecta: 33 Fed Com: #2H
Well: #2H
Wellpath: 1

Date: 4/10/2012 Time: 09:57:07 Page: 2
Co-ordinate(NE) Reference: Well: #2H; Gnd North
Vertical (TVD) Reference: SITE 3580.4
Section (VS) Reference: Well: (0.00N; 0.00E; 180.83Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
5400.00	5.54	194.71	5395.26	-99.06	-26.00	99.42	0.00	590946.44	672919.70	
5500.00	5.54	194.71	5494.80	-108.39	-28.45	108.79	0.00	590937.11	672917.25	
5600.00	5.54	194.71	5594.33	-117.72	-30.90	118.15	0.00	590927.78	672914.80	
5700.00	5.54	194.71	5693.87	-127.05	-33.35	127.52	0.00	590918.45	672912.35	
5800.00	5.54	194.71	5793.40	-136.37	-35.80	136.88	0.00	590909.13	672909.90	
5900.00	5.54	194.71	5892.93	-145.70	-38.25	146.24	0.00	590899.80	672907.45	
6000.00	5.54	194.71	5992.47	-155.03	-40.70	155.61	0.00	590890.47	672905.00	
6100.00	5.54	194.71	6092.00	-164.36	-43.15	164.97	0.00	590881.14	672902.55	
6200.00	5.54	194.71	6191.53	-173.69	-45.59	174.34	0.00	590871.81	672900.11	
6300.00	5.54	194.71	6291.07	-183.02	-48.04	183.70	0.00	590862.48	672897.66	
6400.00	5.54	194.71	6390.60	-192.35	-50.49	193.07	0.00	590853.15	672895.21	
6500.00	5.54	194.71	6490.14	-201.68	-52.94	202.43	0.00	590843.82	672892.76	
6600.00	5.54	194.71	6589.67	-211.01	-55.39	211.79	0.00	590834.49	672890.31	
6700.00	5.54	194.71	6689.20	-220.34	-57.84	221.16	0.00	590825.16	672887.86	
6800.00	5.54	194.71	6788.74	-229.67	-60.29	230.52	0.00	590815.83	672885.41	
6900.00	5.54	194.71	6888.27	-239.00	-62.74	239.89	0.00	590806.50	672882.96	
6935.56	5.54	194.71	6923.67	-242.32	-63.61	243.22	0.00	590803.18	672882.09	Drop
7000.00	4.25	194.71	6987.87	-247.63	-65.00	248.55	2.00	590797.87	672880.70	
7100.00	2.25	194.71	7087.70	-253.11	-66.44	254.05	2.00	590792.39	672879.26	
7200.00	0.25	194.71	7187.67	-255.21	-66.99	256.16	2.00	590790.29	672878.71	
7212.33	0.00	180.04	7200.00	-255.24	-67.00	256.19	2.00	590790.26	672878.70	Vertical Tgt
7300.00	0.00	180.04	7287.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
7332.33	0.00	180.04	7320.00	-255.24	-67.00	256.19	0.00	590790.26	672878.70	BSPG1
7400.00	0.00	180.04	7387.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
7500.00	0.00	180.04	7487.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
7600.00	0.00	180.04	7587.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
7700.00	0.00	180.04	7687.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
7800.00	0.00	180.04	7787.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
7900.00	0.00	180.04	7887.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8000.00	0.00	180.04	7987.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8100.00	0.00	180.04	8087.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8200.00	0.00	180.04	8187.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8300.00	0.00	180.04	8287.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8400.00	0.00	180.04	8387.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8492.33	0.00	180.04	8480.00	-255.24	-67.00	256.19	0.00	590790.26	672878.70	BSPG 1st Sand
8500.00	0.00	180.04	8487.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8600.00	0.00	180.04	8587.67	-255.24	-67.00	256.19	0.00	590790.26	672878.70	
8696.13	0.00	180.04	8683.80	-255.24	-67.00	256.19	0.00	590790.26	672878.70	Kop
8700.00	0.31	180.04	8687.67	-255.25	-67.00	256.20	8.00	590790.25	672878.70	
8750.00	4.31	180.04	8737.62	-257.27	-67.00	258.21	8.00	590788.23	672878.70	
8777.50	6.51	180.04	8765.00	-259.86	-67.00	260.80	8.00	590785.64	672878.70	BSPG2 Limestone
8800.00	8.31	180.04	8787.31	-262.76	-67.00	263.70	8.00	590782.74	672878.70	
8850.00	12.31	180.04	8836.49	-271.71	-67.01	272.65	8.00	590773.79	672878.69	
8900.00	16.31	180.04	8884.93	-284.06	-67.02	285.00	8.00	590761.44	672878.68	
8950.00	20.31	180.04	8932.39	-299.77	-67.03	300.71	8.00	590745.73	672878.67	
9000.00	24.31	180.04	8978.64	-318.74	-67.04	319.68	8.00	590726.76	672878.66	
9050.00	28.31	180.04	9023.45	-340.90	-67.05	341.84	8.00	590704.60	672878.65	
9100.00	32.31	180.04	9066.61	-366.13	-67.07	367.06	8.00	590679.37	672878.63	
9150.00	36.31	180.04	9107.90	-394.31	-67.09	395.24	8.00	590651.19	672878.61	
9200.00	40.31	180.04	9147.12	-425.29	-67.10	426.22	8.00	590620.21	672878.60	
9223.78	42.21	180.04	9165.00	-440.98	-67.11	441.90	8.00	590604.52	672878.59	BSPG 2nd Sand
9250.00	44.31	180.04	9184.09	-458.94	-67.13	459.87	8.00	590586.56	672878.57	



Weatherford International Ltd.

WFT Plan Report - X & Y's



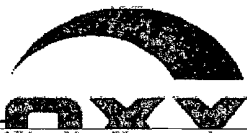
Weatherford

Company: Occidental Permian Ltd.
Field: Lea Co. New Mexico (Nad 27)
Site: Fecta 33 Fed Com #2H
Well: #2H
Wellpath: 1

Date: 4/10/2012 Time: 09:57:07 Page: 3
Co-ordinate(NE) Reference: Well: #2H, Grid North
Vertical (TVD) Reference: SITE 3580.4
Section (VS) Reference: Well: (0.00N, 0.00E, 180.83Az)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl. deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9300.00	48.31	180.04	9218.62	-495.09	-67.15	496.01	8.00	590550.41	672878.55	
9350.00	52.31	180.04	9250.55	-533.56	-67.17	534.48	8.00	590511.94	672878.53	
9400.00	56.31	180.04	9279.71	-574.16	-67.20	575.07	8.00	590471.34	672878.50	
9450.00	60.31	180.04	9305.97	-616.70	-67.22	617.61	8.00	590428.80	672878.48	
9500.00	64.31	180.04	9329.20	-660.96	-67.25	661.87	8.00	590384.54	672878.45	
9550.00	68.31	180.04	9349.29	-706.74	-67.28	707.64	8.00	590338.76	672878.42	
9600.00	72.31	180.04	9366.13	-753.81	-67.31	754.70	8.00	590291.69	672878.39	
9650.00	76.31	180.04	9379.65	-801.93	-67.34	802.83	8.00	590243.57	672878.36	
9700.00	80.31	180.04	9389.78	-850.89	-67.37	851.77	8.00	590194.61	672878.33	
9750.00	84.31	180.04	9396.47	-900.43	-67.40	901.31	8.00	590145.07	672878.30	
9800.00	88.31	180.04	9399.69	-950.31	-67.43	951.19	8.00	590095.19	672878.27	
9821.13	90.00	180.04	9400.00	-971.44	-67.44	972.31	8.00	590074.06	672878.26	Lp
9900.00	90.00	180.04	9400.00	-1050.31	-67.49	1051.18	0.00	589995.19	672878.21	
10000.00	90.00	180.04	9400.00	-1150.31	-67.55	1151.17	0.00	589895.19	672878.15	
10100.00	90.00	180.04	9400.00	-1250.31	-67.61	1251.16	0.00	589795.19	672878.09	
10200.00	90.00	180.04	9400.00	-1350.31	-67.67	1351.15	0.00	589695.19	672878.03	
10300.00	90.00	180.04	9400.00	-1450.31	-67.73	1451.14	0.00	589595.19	672877.97	
10400.00	90.00	180.04	9400.00	-1550.31	-67.80	1551.13	0.00	589495.19	672877.90	
10500.00	90.00	180.04	9400.00	-1650.31	-67.86	1651.12	0.00	589395.19	672877.84	
10600.00	90.00	180.04	9400.00	-1750.31	-67.92	1751.11	0.00	589295.19	672877.78	
10700.00	90.00	180.04	9400.00	-1850.31	-67.98	1851.10	0.00	589195.19	672877.72	
10800.00	90.00	180.04	9400.00	-1950.31	-68.04	1951.09	0.00	589095.19	672877.66	
10900.00	90.00	180.04	9400.00	-2050.31	-68.10	2051.08	0.00	588995.19	672877.60	
11000.00	90.00	180.04	9400.00	-2150.31	-68.17	2151.07	0.00	588895.19	672877.53	
11100.00	90.00	180.04	9400.00	-2250.31	-68.23	2251.06	0.00	588795.19	672877.47	
11200.00	90.00	180.04	9400.00	-2350.31	-68.29	2351.05	0.00	588695.19	672877.41	
11300.00	90.00	180.04	9400.00	-2450.31	-68.35	2451.04	0.00	588595.19	672877.35	
11400.00	90.00	180.04	9400.00	-2550.31	-68.41	2551.03	0.00	588495.19	672877.29	
11500.00	90.00	180.04	9400.00	-2650.31	-68.47	2651.02	0.00	588395.19	672877.23	
11600.00	90.00	180.04	9400.00	-2750.31	-68.53	2751.01	0.00	588295.19	672877.17	
11700.00	90.00	180.04	9400.00	-2850.31	-68.60	2851.00	0.00	588195.19	672877.10	
11800.00	90.00	180.04	9400.00	-2950.31	-68.66	2950.99	0.00	588095.19	672877.04	
11900.00	90.00	180.04	9400.00	-3050.31	-68.72	3050.98	0.00	587995.19	672876.98	
12000.00	90.00	180.04	9400.00	-3150.31	-68.78	3150.97	0.00	587895.19	672876.92	
12100.00	90.00	180.04	9400.00	-3250.31	-68.84	3250.96	0.00	587795.19	672876.86	
12200.00	90.00	180.04	9400.00	-3350.31	-68.90	3350.96	0.00	587695.19	672876.80	
12300.00	90.00	180.04	9400.00	-3450.31	-68.96	3450.95	0.00	587595.19	672876.74	
12400.00	90.00	180.04	9400.00	-3550.31	-69.03	3550.94	0.00	587495.19	672876.67	
12500.00	90.00	180.04	9400.00	-3650.31	-69.09	3650.93	0.00	587395.19	672876.61	
12600.00	90.00	180.04	9400.00	-3750.31	-69.15	3750.92	0.00	587295.19	672876.55	
12700.00	90.00	180.04	9400.00	-3850.31	-69.21	3850.91	0.00	587195.19	672876.49	
12800.00	90.00	180.04	9400.00	-3950.31	-69.27	3950.90	0.00	587095.19	672876.43	
12900.00	90.00	180.04	9400.00	-4050.31	-69.33	4050.89	0.00	586995.19	672876.37	
13000.00	90.00	180.04	9400.00	-4150.31	-69.39	4150.88	0.00	586895.19	672876.31	
13100.00	90.00	180.04	9400.00	-4250.31	-69.46	4250.87	0.00	586795.19	672876.24	
13200.00	90.00	180.04	9400.00	-4350.31	-69.52	4350.86	0.00	586695.19	672876.18	
13300.00	90.00	180.04	9400.00	-4450.31	-69.58	4450.85	0.00	586595.19	672876.12	
13400.00	90.00	180.04	9400.00	-4550.31	-69.64	4550.84	0.00	586495.19	672876.06	
13500.00	90.00	180.04	9400.00	-4650.31	-69.70	4650.83	0.00	586395.19	672876.00	
13600.00	90.00	180.04	9400.00	-4750.31	-69.76	4750.82	0.00	586295.19	672875.94	
13658.69	90.00	180.04	9400.00	-4809.00	-69.80	4809.51	0.00	586236.50	672875.90	Pbhl



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd.
Field: Lea Co. New Mexico (Nad.27)
Site: Fecta 33 Fed Com #2H
Well: #2H
Wellpath: 1

Date: 4/10/2012 Time: 09:57:07 Page: 4
Co-ordinate(NE) Reference: Well: #2H Gnd North
Vertical (TVD) Reference: SITE: 3580.4
Section (VS) Reference: Well (0.00N,0.00E,180:83Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
Vertical Tgt			7200.00	-255.24	-67.00	590790.26	672878.70	32 37 22.550 N	103 46 18.570 W
-Plan hit target									
Pbhl			9400.00	-4809.00	-69.80	586236.50	672875.90	32 36 37.490 N	103 46 18.884 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
870.00	870.00	0.000	0.000	Csg
2600.00	2600.00	0.000	0.000	Csg
3350.00	3350.00	0.000	0.000	Csg

Annotation

MD ft	TVD ft	
4200.00	4200.00	Nudge
4476.76	4476.33	Hold
6935.56	6923.66	Drop
7212.33	7200.00	Tgt/Hold
8696.13	8683.80	Kop
9821.13	9400.00	Lp
13658.69	9400.00	Pbhl

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2500.00	2500.00	Base Salt		0.00	0.00
4751.71	4750.00	Base Anhydrite		0.00	0.00
2500.00	2500.00	Tansil		0.00	0.00
2630.00	2630.00	Yates		0.00	0.00
2970.00	2970.00	Seven Rivers		0.00	0.00
3240.00	3240.00	Queen		0.00	0.00
4751.71	4750.00	Delaware		0.00	0.00
7332.33	7320.00	BSPG1		0.00	0.00
8492.33	8480.00	BSPG 1st Sand		0.00	0.00
8777.50	8765.00	BSPG2 Limestone		0.00	0.00
9223.78	9165.00	BSPG 2nd Sand		0.00	0.00

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Occidental Permian LTD
LEASE NO.:	NM-01135
WELL NAME & NO.:	Fecta 33 Federal # 2H
SURFACE HOLE FOOTAGE:	141' FNL & 2347' FWL
BOTTOM HOLE FOOTAGE:	330' FSL & 1980' FWL
LOCATION:	Section 33, T.19S., R.32E., NMPM
COUNTY:	Lea County, New Mexico

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

☒ **Lea County**

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 393-3612

1. **A Hydrogen Sulfide (H2S) Drilling Plan should be activated prior to drilling out the surface shoe. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.**
2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a “Major” violation.**
3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.
4. **The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper**

copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Secretary's Potash

Possible lost circulation in the Artesia Group and the Capitan Reef.

Possible water flows in the Salado and Artesia Groups.

1. The **20** inch surface casing shall be set at approximately **960** feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 13-3/8 inch 1st intermediate casing is:

- ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to potash.

Formation below the 13-3/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

3. The minimum required fill of cement behind the 9-5/8 inch 2nd intermediate casing, **which is to be set in the base of the reef or in the Delaware formation at approximately 4275 feet, is:**

- ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to potash and Capitan Reef. Additional cement may be required – excess calculates to 11%.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Centralizers required on horizontal leg, must be type for horizontal service and a minimum of one every other joint.

4. The minimum required fill of cement behind the 5-1/2 inch production casing is: (1st DV Tool set at 8000, 2nd DV tool shall be set a minimum of 50 feet below previous casing shoe.)
- a. First stage to DV tool, cement shall:
- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office, before proceeding with second stage cement job.
- b. Second stage above first DV tool, cement shall:
- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office, before proceeding with third stage cement job.

c. Third stage above second DV tool, cement shall:

- ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office. **Additional cement may be required – excess calculates to -10%.**

5. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. **A variance is granted for the use of a diverter on the 20" surface casing.**
3. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
4. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi. 5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time.

- b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (18 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- c. The results of the test shall be reported to the appropriate BLM office.
- d. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
- e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

CRW 070512