

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM89172

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 28. Well Name and No.
PATTON MDP1 17 FEDERAL 176H9. API Well No.
30-015-45079-00-X110. Field and Pool or Exploratory Area
WOLFCAMP11. County or Parish, State
EDDY COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
OXY USA INCORPORATEDContact: DAVID STEWART
E-Mail: david_stewart@oxy.com3a. Address
5 GREENWAY PLAZA SUITE 110
HOUSTON, TX 77046-05213b. Phone No. (include area code)
Ph: 432.685.5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 17 T24S R31E NENE 772FNL 1297FEL
32.222477 N Lat, 103.795494 W Lon**Carlsbad Field**
OCD Artesia**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	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A PD
	☐ 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 recomple 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 recomple 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.

OXY USA Inc, respectfully requests to amend the target formation from the Wolfcamp to the 1st Bone Spring due to a casing part in the 7-5/8" intermediate casing, see attached for details.

RECEIVED

Accepted For Record
NMOCD *mf*

OCT 15 2018

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

DISTRICT II-ARTESIA O.C.D.

All previous COAs still apply. Attached is the Plugback COA.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #437106 verified by the BLM Well Information System

For OXY USA INCORPORATED, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 09/27/2018 (18PP2758SE)

Name (Printed/Typed) DAVID STEWART

Title REGULATORY ADVISOR

Signature (Electronic Submission)

Date 09/26/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTIA STEVENS

Title PETROLEUM ENGINEER

Date 10/09/2018

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 Carlsbad

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED *****KW 10-17-18*

OCT 15 2018

District I
1635 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-0181 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720
District III
10200 Kirtland Road, Alameda, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico DISTRICT II-ARTESIA O.C.D.
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45079	Pool Code 13367	Pool Name Cotton Draw Bone Spring
Property Code 319619	Property Name PATTON MDPI "17" FEDERAL	Well Number 176H
OGRID No. 16694	Operator Name OXY USA INC.	Elevation 3546.3'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	24 SOUTH	31 EAST, N.M.P.M.		772'	NORTH	1297'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24 SOUTH	31 EAST, N.M.P.M.		180'	SOUTH	380'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160	Y		

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

GRID AZ = 51°28'11" 1187.40' SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y=445088.77 US FT X=707857.83 US FT LAT N 32.2224757 LONG W 103.7954962 KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=445814.51 US FT X=708570.64 US FT LAT N 32.2244635 LONG W 103.7925327 TOP PERF. NEW MEXICO EAST NAD 1983 Y=445524.51 US FT X=708572.31 US FT LAT N 32.2236664 LONG W 103.7925320 BOTTOM PERF. NEW MEXICO EAST NAD 1983 Y=440922.54 US FT X=708598.91 US FT LAT N 32.2110162 LONG W 103.7925209 BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=440782.54 US FT X=708598.83 US FT LAT N 32.2105764 LONG W 103.7925205	50' 380' 1297' 5052.05' IN ALL GRID AZ = 179°40'08" 380' 380' 340'	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order. Certification signed by the division <i>David Stewart</i> Signature Date 9/26/18 David Stewart Printed Name david.stewart@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. 15079 OCTOBER 30 2018 SURV Date of Survey Signature and Seal of Professional Surveyor <i>Terry J. Asch</i> Certificate Number 15079
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RPT 10-18-18

OXY USA Inc. – Patton MDP1 17 Federal 176H – Amended Drill Plan-Plugback

This sundry reflects changes in formation target, casing design, cement design, and mud program design.

Background: Due to casing parting (connection jump out) on Patton MDP1 17 Federal 176H. Oxy has chosen to plug the well back to 8202' and sidetrack. Target formation has been changed from Wolfcamp A to Avalon.

1. Intermediate Hole Plugback

Description	Slurry Type	Weight (ppg)	Yield	Water Req	OH Excess	Planned Volume (Bbls)	Top of Cement (MD)
1 st Plug (Int. Shoe) 11320-11020'	Spacer	9.8				24.3	
	Cement	15.6	1.197	5.41	10%	73sx/15.6bbl	11020 (300')
	Spacer	9.8				5.7	
2nd Plug (BS & Csg Breach) 8435-8150'	Spacer	9.8				25.1	
	Cement	15.6	1.197	5.41	30%	82sx/17.5bbl	8150' (285')
	Spacer	9.8				4.9	

2. Geologic Formations

TVD of Target	8,975'	Pilot Hole Depth	N/A
MD at TD	14,100'	Deepest Expected fresh water	861

3. Casing Program

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF	SF Burst	Buoyant Body SF	Buoyant Joint SF
	From (ft)	To (ft)					Collapse		Tension	Tension
6.75	0	9100	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
	9100	14100	4.5	13.5	P-110	DQX	1.125	1.2	1.4	1.4
SF Values will meet or Exceed										

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

OXY USA Inc. – Patton MDP1 17 Federal 176H – Amended Drill Plan-Plugback

4. Cementing Program

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Production Lead	N/A	N/A	N/A	N/A	N/A	N/A
Production Tail	615	13.2	1.654	8.64	16:22	Class H Cement, Retarder, Dispersant, Salt

Casing String	Top (ft)	Bottom (ft)	% Excess
Production Lead	N/A	N/A	N/A
Production Tail	7675	14100	20%

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From (ft)	To (ft)				
8175	14100	OBM	8.8-9.0	40-60	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

6. Updated Directional Plan/Plot



Oxy Patton MDP1 17 Federal 176H ST001 Rev1 TMA 24Sep18 Proposal
Geodetic Report
(Def Plan)

Report Date: September 24, 2018 - 06:00 PM
Client: OXY
Field: NM Eddy County (NMD 83)
Structure / Slet: Oxy Patton MDP1 17 Federal 176H / Patton MDP1 17 Federal 176H
Well: Patton MDP1 17 Federal 176H
Borehole: ST001
UWI / APB: Unknown / Unknown
Survey Name: Oxy Patton MDP1 17 Federal 176H ST001 Rev1 TMA 24Sep18
Survey Date: September 22, 2018
Tor / AHD / DOI / ERO Ratio: 167.437' / 6170.447 ft / 6.210 / 0.688
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 13' 20.8128" W 103° 47' 43.7862"
Location NE Yix: N 445088.770 NUS, E 707057.830 NUS
CRS Grid Convergence Angle: 0.2868°
Grid Scale Factor: 0.99994077
Version / Patch: 2.10.740.0

Survey / DLS Computation:
Vertical Section Azimuth: 166.125° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
Minimum Curvature / Lubinski
RXB = 26.5
3572.800 ft above MSL
3546.300 ft above MSL
6.853°
968.4271 mgn (8.8085 Based)
GARM
47673.878 nT
59.047°
Declination Date: September 22, 2018
Magnetic Declination Model: HDGM 2018
Grid Convergence Utiat: Grid North
Total Corr Mag North->Grid
North: 0.2868°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Adm Grd (ft)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (1/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude		Longitude	
											NUS + °	EW + °	NUS + °	EW + °
R&B SHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	445088.77	707057.83	N 32° 13' 20.81	W 103° 47' 43.78	N 32° 13' 20.81	W 103° 47' 43.78
	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	445088.77	707057.83	N 32° 13' 20.81	W 103° 47' 43.78	N 32° 13' 20.81	W 103° 47' 43.78
	86.50	0.51	145.48	86.50	0.30	-0.26	0.18	0.71	445088.51	707058.04	N 32° 13' 20.91	W 103° 47' 43.78	N 32° 13' 20.91	W 103° 47' 43.78
	165.50	0.59	114.73	165.50	0.82	-0.77	0.81	0.35	445088.00	707058.04	N 32° 13' 20.91	W 103° 47' 43.78	N 32° 13' 20.91	W 103° 47' 43.78
	273.50	0.42	156.27	273.48	1.51	-1.26	1.34	0.46	445085.51	707059.17	N 32° 13' 20.80	W 103° 47' 43.77	N 32° 13' 20.80	W 103° 47' 43.77
	368.50	0.34	191.21	368.48	2.11	-1.86	1.41	0.24	445084.91	707059.17	N 32° 13' 20.80	W 103° 47' 43.77	N 32° 13' 20.80	W 103° 47' 43.77
	462.50	0.60	205.31	462.48	2.76	-2.56	1.35	0.30	445084.19	707058.86	N 32° 13' 20.88	W 103° 47' 43.76	N 32° 13' 20.88	W 103° 47' 43.76
	557.50	0.71	185.03	557.48	3.68	-3.60	0.78	0.17	445083.17	707058.86	N 32° 13' 20.88	W 103° 47' 43.76	N 32° 13' 20.88	W 103° 47' 43.76
	651.50	0.88	205.43	651.47	4.77	-4.81	0.32	0.24	445081.96	707058.15	N 32° 13' 20.85	W 103° 47' 43.76	N 32° 13' 20.85	W 103° 47' 43.76
	745.50	0.83	203.16	745.46	5.97	-6.16	-0.29	0.07	445080.61	707057.54	N 32° 13' 20.85	W 103° 47' 43.76	N 32° 13' 20.85	W 103° 47' 43.76
	861.00	0.06	267.51	860.95	6.73	-7.03	-0.72	0.05	445078.14	707057.11	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	978.00	0.03	338.69	977.95	6.69	-7.00	-0.79	0.06	445078.77	707057.04	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	1071.00	0.03	321.33	1070.95	6.64	-6.96	-0.81	0.01	445078.81	707057.02	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	1254.00	0.08	306.07	1253.95	6.72	-7.05	-0.88	0.05	445078.63	707056.88	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	1438.00	0.03	282.28	1438.95	6.76	-7.14	-0.95	0.04	445078.67	707056.88	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
Last Gyno	1533.00	0.03	268.28	1532.95	6.76	-7.11	-0.95	0.05	445078.66	707056.86	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	1628.00	0.04	82.77	1627.95	6.72	-7.08	-0.87	0.06	445078.71	707056.86	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	1722.00	0.03	278.20	1721.95	6.70	-7.06	-0.88	0.07	445078.65	707056.85	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	1811.00	0.03	278.20	1810.95	6.72	-7.07	-0.89	0.06	445078.70	707056.84	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2100.00	0.03	58.82	2099.95	6.74	-7.08	-0.92	0.02	445078.69	707056.81	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2194.00	0.03	120.57	2193.95	6.75	-7.08	-0.97	0.03	445078.68	707056.86	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2288.00	0.03	120.57	2287.95	6.79	-7.11	-0.93	0.03	445078.66	707056.80	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2383.00	0.04	218.27	2382.95	6.83	-7.16	-0.84	0.05	445078.61	707056.77	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2477.00	0.04	329.19	2476.95	6.83	-7.16	-0.87	0.06	445078.60	707056.86	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2571.00	0.04	2570.95	2570.95	6.83	-7.17	-0.90	0.08	445078.57	707056.88	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2668.00	0.04	252.84	2668.95	6.85	-7.20	-0.95	0.02	445078.55	707056.89	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2760.00	0.04	122.55	2759.95	6.88	-7.22	-0.94	0.07	445078.51	707056.80	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2854.00	0.03	227.82	2853.95	6.91	-7.26	-0.83	0.06	445078.50	707056.80	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	2948.00	0.03	282.09	2948.95	6.91	-7.27	-0.88	0.03	445078.48	707056.85	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	3137.00	0.03	324.81	3136.95	6.92	-7.29	-1.06	0.02	445078.44	707056.77	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
Top Of Whynock Section of Whynock	3325.00	0.08	224.81	3324.95	6.92	-7.33	-1.23	0.03	445078.42	707056.72	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	3477.00	0.08	281.01	3476.95	6.85	-7.30	-1.44	0.01	445078.47	707056.69	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	3609.00	0.08	239.36	3608.95	6.84	-7.33	-1.64	0.04	445078.44	707056.66	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	3770.00	0.03	3769.95	3769.95	6.85	-7.42	-1.73	0.03	445078.35	707056.10	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	3892.00	0.03	149.25	3891.95	6.85	-7.47	-1.74	0.03	445078.30	707056.09	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	3987.00	0.09	296.35	3986.95	6.93	-7.46	-1.78	0.12	445078.31	707056.04	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4081.00	0.13	244.72	4080.95	6.91	-7.47	-1.90	0.11	445078.30	707056.06	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4175.00	0.04	280.45	4174.95	6.83	-7.52	-2.08	0.10	445078.25	707055.75	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4260.00	0.08	294.50	4260.95	6.89	-7.50	-2.18	0.08	445078.22	707055.65	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4364.00	0.08	341.82	4363.95	6.79	-7.41	-2.26	0.07	445078.36	707055.49	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4522.00	0.03	295.50	4521.95	6.63	-7.26	-2.34	0.03	445078.53	707055.51	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4647.00	0.03	66.85	4646.95	6.61	-7.24	-2.34	0.06	445078.53	707055.49	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4741.00	0.03	0.73	4740.95	6.58	-7.21	-2.32	0.03	445078.56	707055.49	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4830.00	0.03	184.70	4829.95	6.58	-7.21	-2.32	0.06	445078.56	707055.49	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	4920.00	0.03	282.42	4920.95	6.59	-7.23	-2.35	0.05	445078.54	707055.48	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
Tie-in OH Survey	5117.00	0.14	21.02	5117.95	6.38	-7.00	-2.31	0.08	445078.77	707065.52	N 32° 13' 20.84	W 103° 47' 43.81	N 32° 13' 20.84	W 103° 47' 43.81
	5307.00	0.08	119.75	5306.95	6.93	-7.35	-1.25	0.38	445078.42	707066.58	N 32° 13' 20.84	W 103° 47' 43.80	N 32° 13' 20.84	W 103° 47' 43.80
	5402.00	1.91	70.75	5401.92	7.10	-7.10	0.73	1.63	445078.67	707066.39	N 32° 13' 20.84	W 103° 47' 43.79	N 32° 13' 20.84	W 103° 47' 43.79
	5498.00	3.43	56.51	5497.95	5.87	-5.04	4.56	1.75	445081.74	707066.39	N 32° 13' 20.86	W 103° 47' 43.77	N 32° 13' 20.86	W 103° 47' 43.77
	5590.00	6.57	45.59	5589.48	1.94	0.28	10.75	3.48	445081.05	707066.57	N 32° 13' 20.86	W 103° 47' 43.77	N 32° 13' 20.86	W 103° 47' 43.77
	5695.00	41.13	5583.38	5694.38	-8.66	11.20	20.90	3.10	445080.05	707066.73	N 32° 13' 21.02	W 103° 47' 43.54	N 32° 13' 21.02	W 103° 47' 43.54
	5800.00	12.51	30.96	5798.40	-20.38	27.66	32.61	3.20	445114.43	707060.44	N 32° 13' 21.18	W 103° 47' 43.31	N 32° 13' 21.18	W 103° 47' 43.31
	5874.00	13.07	25.84	5868.56	-32.88	42.08	40.36	1.76	445128.85	707060.18	N 32° 13' 21.33	W 103° 47' 43.31	N 32° 13' 21.33	W 103° 47' 43.31
	6070.00	13.06	22.32	6069.49	-46.77	82.55	58.36	0.38	445168.31	707073.16	N 32° 13' 21.73	W 103° 47' 43.02	N 32° 13' 21.73	W 103° 47' 43.02
	6157.00	12.84	21.71	6144.31	-84.83	100.48	65.61	0.51	445181.25	707072.44	N 32° 13' 21.55	W 103° 47' 43.02	N 32° 13' 21.55	W 103° 47' 43.02
	6251.00	12.81	20.53	6236.24	-140.01	116.65	73.01	0.28	445206.41	707070.18	N 32° 13' 22.01	W 103° 47' 42.83	N 32° 13' 22.01	W 103° 47' 42.83
	6440.00	15.84	25.43	6419.23	-183.25	162.28	81.33	1.62	445248.04	707068.16	N 32° 13' 22.55	W 103° 47' 42.83	N 32° 13' 22.55	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DL5 (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S + °)	Longitude (E/W + °)
Hold	8200.00	18.10	53.05	8108.08	-487.01	555.22	370.83	13.50	44561.17	708028.74	N 32 13 28.59	W 103 47 38.44
	8200.80	28.00	65.00	8105.01	-474.25	566.84	390.86	13.50	44565.53	708046.57	N 32 13 28.50	W 103 47 39.20
	8300.00	28.00	65.00	8200.42	-478.18	572.14	406.82	0.00	445660.47	708004.42	N 32 13 28.57	W 103 47 39.82
	8400.00	28.00	65.00	8290.30	-488.13	582.66	446.35	0.00	445679.40	708044.15	N 32 13 28.75	W 103 47 39.56
Build & Turn 107100	8500.00	28.00	65.00	8300.18	-488.08	611.19	468.08	0.00	445697.82	708143.88	N 32 13 28.94	W 103 47 38.09
	8522.10	28.00	65.00	8400.04	-500.28	615.28	494.86	0.00	445702.02	708152.00	N 32 13 28.98	W 103 47 37.90
	8600.00	27.55	82.00	8466.89	-502.95	625.02	528.22	10.00	445711.75	708186.02	N 32 13 27.07	W 103 47 37.60
	8700.00	32.11	100.00	8556.59	-481.45	623.82	577.43	10.00	445730.55	708235.22	N 32 13 27.05	W 103 47 37.33
Build & Turn 107100	8800.00	38.58	113.24	8838.23	-483.55	609.86	632.40	10.00	445693.39	708290.19	N 32 13 28.86	W 103 47 36.39
	8885.20	45.00	121.70	8701.84	-427.39	580.27	682.59	10.00	445687.01	708340.37	N 32 13 28.82	W 103 47 35.51
Landing Point	8900.00	45.61	123.58	8712.19	-420.08	572.63	681.39	10.00	445661.37	708348.18	N 32 13 28.58	W 103 47 35.70
	9000.00	50.50	135.33	8778.14	-382.02	527.31	748.42	10.00	445614.05	708406.20	N 32 13 28.09	W 103 47 34.04
	9100.00	56.40	145.40	8838.76	-280.90	465.43	709.32	10.00	445552.18	708457.10	N 32 13 25.48	W 103 47 34.55
	9200.00	63.01	154.10	8888.25	-209.14	390.88	642.55	10.00	445477.83	708500.42	N 32 13 24.73	W 103 47 33.98
	9300.00	70.10	161.80	8939.08	-118.96	305.83	878.78	10.00	445392.88	708534.96	N 32 13 23.90	W 103 47 33.58
	9400.00	77.48	168.83	8956.89	-23.18	213.14	900.69	10.00	445399.80	708556.78	N 32 13 22.88	W 103 47 33.29
	9500.00	85.04	175.48	8972.18	75.28	115.35	914.43	10.00	445202.12	708572.00	N 32 13 22.01	W 103 47 33.14
	9565.08	90.00	178.67	8975.00	130.37	50.45	917.18	10.00	445137.21	708574.98	N 32 13 21.37	W 103 47 33.11
	9600.00	90.00	178.67	8975.00	173.80	15.51	917.38	0.00	445102.28	708575.18	N 32 13 21.02	W 103 47 33.11
	9700.00	90.00	178.67	8975.00	271.57	-84.49	917.95	0.00	445002.73	708576.73	N 32 13 20.03	W 103 47 33.11
	9800.00	90.00	178.67	8975.00	380.55	-184.49	918.52	0.00	444892.29	708578.68	N 32 13 18.04	W 103 47 33.10
	9900.00	90.00	178.67	8975.00	487.53	-284.49	919.05	0.00	444802.31	708578.00	N 32 13 16.07	W 103 47 33.10
	10000.00	90.00	178.67	8975.00	565.50	-384.48	919.86	0.00	444692.32	708578.57	N 32 13 14.08	W 103 47 33.10
	10100.00	90.00	178.67	8975.00	663.48	-484.48	920.23	0.00	444582.33	708578.14	N 32 13 12.11	W 103 47 33.10
	10200.00	90.00	178.67	8975.00	761.45	-584.48	921.38	0.00	444470.34	708579.71	N 32 13 10.14	W 103 47 33.10
	10300.00	90.00	178.67	8975.00	859.43	-684.48	921.80	0.00	444358.35	708580.56	N 32 13 08.17	W 103 47 33.10
	10400.00	90.00	178.67	8975.00	957.40	-784.48	921.93	0.00	444246.36	708581.41	N 32 13 06.20	W 103 47 33.10
	10500.00	90.00	178.67	8975.00	1055.38	-884.48	922.50	0.00	444134.37	708582.26	N 32 13 04.23	W 103 47 33.10
	10600.00	90.00	178.67	8975.00	1153.35	-984.48	923.07	0.00	444022.38	708583.09	N 32 13 02.26	W 103 47 33.10
	10700.00	90.00	178.67	8975.00	1251.33	-1084.47	923.64	0.00	443910.39	708583.92	N 32 13 00.29	W 103 47 33.10
	10800.00	90.00	178.67	8975.00	1349.30	-1184.47	924.21	0.00	443798.40	708584.75	N 32 12 58.32	W 103 47 33.10
	10900.00	90.00	178.67	8975.00	1447.28	-1284.47	924.78	0.00	443686.41	708585.58	N 32 12 56.35	W 103 47 33.10
	11000.00	90.00	178.67	8975.00	1545.25	-1384.47	925.35	0.00	443574.42	708586.41	N 32 12 54.38	W 103 47 33.10
	11100.00	90.00	178.67	8975.00	1643.23	-1484.47	925.92	0.00	443462.43	708587.24	N 32 12 52.41	W 103 47 33.10
	11200.00	90.00	178.67	8975.00	1741.21	-1584.47	926.48	0.00	443350.44	708588.07	N 32 12 50.44	W 103 47 33.10
	11300.00	90.00	178.67	8975.00	1839.19	-1684.46	927.05	0.00	443238.45	708588.90	N 32 12 48.47	W 103 47 33.10
	11400.00	90.00	178.67	8975.00	1937.18	-1784.46	927.62	0.00	443126.46	708589.73	N 32 12 46.50	W 103 47 33.10
	11500.00	90.00	178.67	8975.00	2035.16	-1884.46	928.19	0.00	443014.47	708590.56	N 32 12 44.53	W 103 47 33.10
	11600.00	90.00	178.67	8975.00	2133.14	-1984.46	928.76	0.00	442902.48	708591.39	N 32 12 42.56	W 103 47 33.10
	11700.00	90.00	178.67	8975.00	2231.08	-2084.46	929.33	0.00	442790.49	708592.22	N 32 12 40.59	W 103 47 33.10
	11800.00	90.00	178.67	8975.00	2329.06	-2184.46	929.90	0.00	442678.50	708593.05	N 32 12 38.62	W 103 47 33.10
	11900.00	90.00	178.67	8975.00	2427.03	-2284.45	930.47	0.00	442566.51	708593.88	N 32 12 36.65	W 103 47 33.10
	12000.00	90.00	178.67	8975.00	2525.01	-2384.45	931.04	0.00	442454.52	708594.71	N 32 12 34.68	W 103 47 33.10
	12100.00	90.00	178.67	8975.00	2622.98	-2484.45	931.60	0.00	442342.53	708595.54	N 32 12 32.71	W 103 47 33.10
	12200.00	90.00	178.67	8975.00	2720.96	-2584.45	932.17	0.00	442230.54	708596.37	N 32 12 30.74	W 103 47 33.10
	12300.00	90.00	178.67	8975.00	2818.93	-2684.45	932.74	0.00	442118.55	708597.20	N 32 12 28.77	W 103 47 33.10
	12400.00	90.00	178.67	8975.00	2916.91	-2784.45	933.31	0.00	442006.56	708598.03	N 32 12 26.80	W 103 47 33.10
	12500.00	90.00	178.67	8975.00	3014.88	-2884.44	933.88	0.00	441894.57	708598.86	N 32 12 24.83	W 103 47 33.10
	12600.00	90.00	178.67	8975.00	3112.86	-2984.44	934.45	0.00	441782.58	708599.69	N 32 12 22.86	W 103 47 33.10
	12700.00	90.00	178.67	8975.00	3210.84	-3084.44	935.02	0.00	441670.59	708600.52	N 32 12 20.89	W 103 47 33.10
	12800.00	90.00	178.67	8975.00	3308.81	-3184.44	935.59	0.00	441558.60	708601.35	N 32 12 18.92	W 103 47 33.10
	12900.00	90.00	178.67	8975.00	3406.79	-3284.44	936.16	0.00	441446.61	708602.18	N 32 12 16.95	W 103 47 33.10
	13000.00	90.00	178.67	8975.00	3504.76	-3384.44	936.72	0.00	441334.62	708603.01	N 32 12 14.98	W 103 47 33.10
	13100.00	90.00	178.67	8975.00	3602.74	-3484.43	937.29	0.00	441222.63	708603.84	N 32 12 13.01	W 103 47 33.10
	13200.00	90.00	178.67	8975.00	3700.71	-3584.43	937.86	0.00	441110.64	708604.67	N 32 12 11.04	W 103 47 33.10
	13300.00	90.00	178.67	8975.00	3798.68	-3684.43	938.43	0.00	441000.65	708605.50	N 32 12 09.07	W 103 47 33.10
	13400.00	90.00	178.67	8975.00	3896.66	-3784.43	939.00	0.00	440890.66	708606.33	N 32 12 07.10	W 103 47 33.10
	13500.00	90.00	178.67	8975.00	3994.64	-3884.43	939.57	0.00	440780.67	708607.16	N 32 12 05.13	W 103 47 33.10
	13600.00	90.00	178.67	8975.00	4092.61	-3984.43	940.14	0.00	440670.68	708607.99	N 32 12 03.16	W 103 47 33.10
	13700.00	90.00	178.67	8975.00	4190.59	-4084.42	940.71	0.00	440560.69	708608.82	N 32 12 01.19	W 103 47 33.10
	13800.00	90.00	178.67	8975.00	4288.57	-4184.42	941.28	0.00	440450.70	708609.65	N 32 11 59.22	W 103 47 33.10
	14000.00	90.00	178.67	8975.00	4484.52	-4384.42	941.84	0.00	440340.71	708610.48	N 32 11 57.25	W 103 47 33.10
	14100.00	90.00	178.67	8975.00	4582.49	-4484.42	942.88	0.00	440230.72	708611.31	N 32 11 55.28	W 103 47 33.10
Patton MDP1 17 Federal 176H- PBHL	14100.07	90.00	178.67	8975.00	4582.56	-4484.49	942.98	0.00	440692.55	708600.75	N 32 12 36.49	W 103 47 33.07

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 --- 3-D 95.000% Confidence 2.7655 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Frag (ft)	Hole Size Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Dry Patton MDP1 17 Federal 176H Gyro +
	1	26.500	745.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Dry Patton MDP1 17 Federal 176H Gyro +
	1	745.500	8045.000	Act Stns	30.000	30.000	NAL_MWID_PLUS_0.5_DEEG	Original Borehole / Dry Patton MDP1 17 Federal 176H Gyro +
	1	8045.000	14100.073	1/100.000	30.000	30.000	NAL_MWID_PLUS_0.5_DEEG	MDP1 17 Federal 176H Gyro + ST001 / Dry Patton MDP1 17 Federal 176H ST001 Rev1 TMA



Stevens, Zota <zstevens@blm.gov>

[EXTERNAL] FW: EC Document Submitted - Patton 17 Fd 176H - Amd APD-PB-SdTrk

1 message

Stewart, David R <David_Stewart@oxy.com>

Tue, Oct 9, 2018 at 2:58 PM

To: "Stevens, Zota" <zstevens@blm.gov>

Please see below for the Annular Clearance Variance Request for the Patton MDP1 17 Federal #176H, API No. 30-015-45079.

Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement from Onshore Order #2 under the following conditions:

- 1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casings.***
- 2. Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section***

If you need any additional information, please let me know. I appreciate all your help.

Thanks,

David Stewart

Sr. Regulatory Advisor

OXY Permian

Wk-432-685-5717

Cell-432-634-5688

david_stewart@oxy.com

-----Original Message-----

From: wis-submission@blm.gov <wis-submission@blm.gov>

Sent: Wednesday, September 26, 2018 12:50 PM

To: Stewart, David R <David_Stewart@oxy.com>

Subject: [EXTERNAL] EC Document Submitted - Patton 17 Fd 176H - Amd APD-PB-SdTrk

Your EC Transaction 437106, Serial Number 950-9442, was submitted to the Carlsbad, NM BLM Office. You may wish to view this action by clicking <https://www.blm.gov/wispermits/wis/SP/show-form.do?FormId=950&FormInstanceNumber=9442>.



WIS_PRINT_SUBMITTED_437106.pdf

7K

Schlammeger

OXY



Borehole:	Well:	Field:	Structure:
ST001	Patton MDP1 17 Federal 176H	NM Eddy County (NAD 83)	Oxy Patton MDP1 17 Federal 176H

Gravity & Magnetic Parameters

Model:	HDSM 2018	Dip:	69.947°	Date:	22-Sep-2018
MagDec:	6.853°	FS:	47973.878nT	Gravity FS:	999.427mgn (9.80665 Based)

Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet

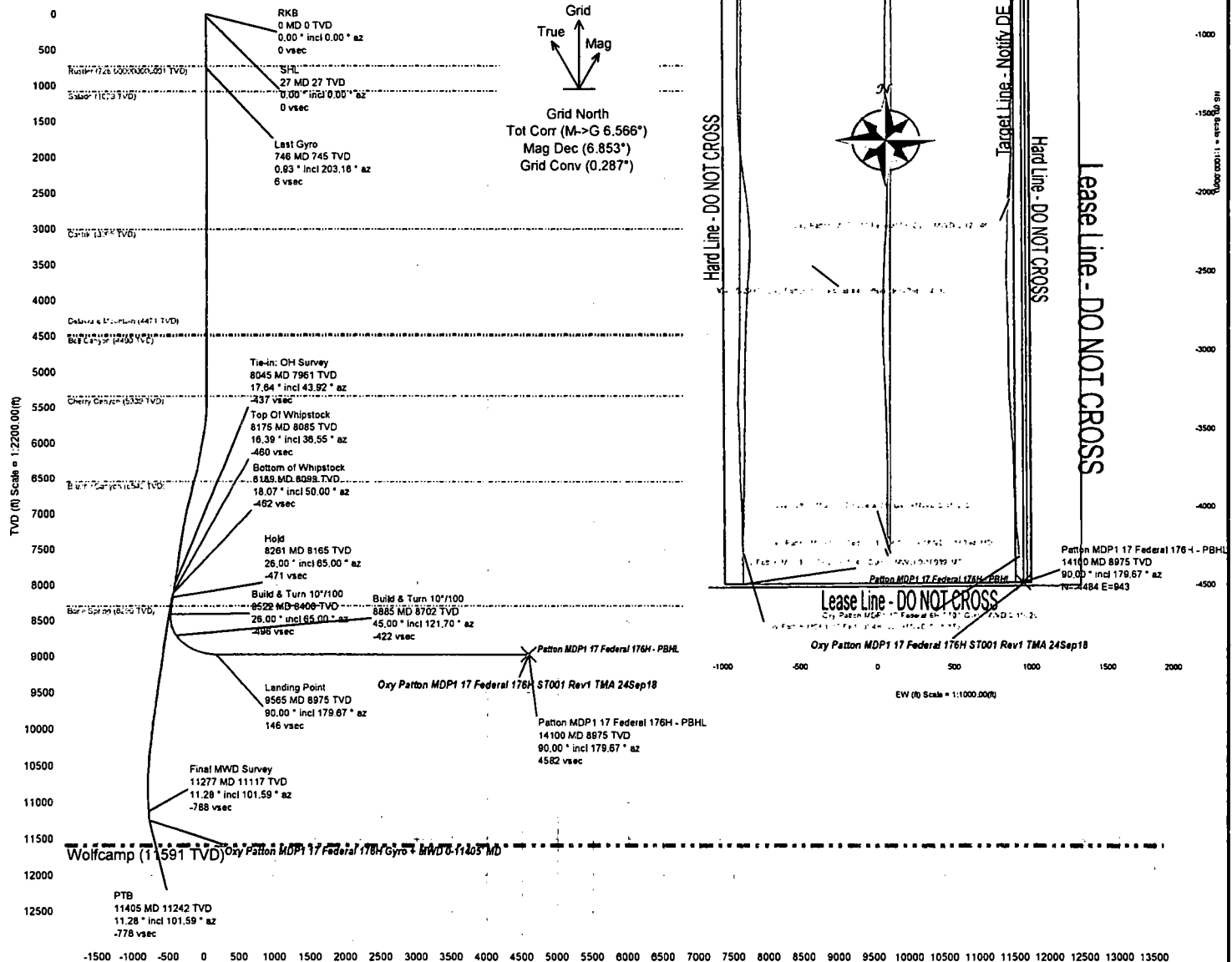
Lat: N 32 13 20.1 Northing: 445066.77NUS Grid Conv: 0.2865°
Lon: W 103 47 43.79 Easting: 707467.83NUS Scale Fact: 0.99994077

Miscellaneous

Slot: Patton MDP1 17
Federal 176H TVD Ref: RKB = 28.5(1572.3ft above MSL)
Plan: Oxy Patton MDP1 17 Federal 176H STD01 Rev1 TMA 24Sep18

Critical Points

Critical Point	MD	INCL	AZIM	TVD
Rustler	726.04	0.92	203.61	726.00
Salado	1079.05	0.03	315.29	1079.00
Cestile	3005.05	0.03	265.84	3005.00
Delaware Mountain	4471.05	0.05	326.86	4471.00
Bell Canyon	4490.05	0.04	321.95	4490.00
Cherry Canyon	5339.05	1.00	90.64	5339.00
Brushy Canyon	6569.36	17.84	28.01	6543.00
Tie-In: OH Survey	8045.00	17.64	43.92	7960.94
Top Of Whipstock	8175.00	16.39	36.55	8085.26
Bottom Of Whipstock	8189.00	18.07	50.00	8098.64
Hold	8260.60	26.00	65.00	8165.01
Bone Spring	8399.67	26.00	65.00	8290.00
Build & Turn 10°/100'	8522.10	26.00	65.00	8400.04
Build & Turn 10°/100'	8885.29	45.00	121.70	8701.84
Landing Point	9565.06	90.00	179.67	8975.00
Patton MDP1 17 Federal 176H - PBHL	14100.07	90.00	179.67	8975.00
Wolfcamp	NaN			11591.00



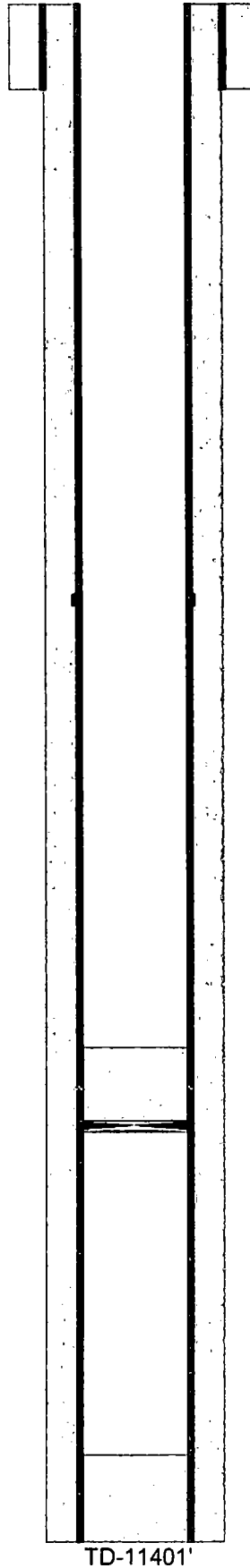
Vertical Section (ft) Azim = 167.71° Scale = 1:2200.00(ft) Origin = 0N/-S, 0E/-W

OXY USA Inc. - Current
Pattom MDP1 17 Federal #176H
API No. 30-015-45079

CIBP @ 8426' w/ 100sx cmt to 8172' Tagged

75sx cmt @ 11320-10980' Tagged

PBTD-11330'



14-3/4" hole @ 772'
10-3/4" csg @ 772'
w/ 776sx-TOC-Surf-Circ

Csg Part @ +/-8226-8258'

9-7/8" hole @ 11401'
7-5/8" csg @ 11386'
DVT @ 4521'
w/ 2075sx-TOC-Surf-Circ

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Production Zone Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plug back operations shall commence within ninety (90) days from this approval. **If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**
2. **Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612**
3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.
5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.
In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.
Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.
Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.
6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.** If plugging back to a new zone submit a Completion Report, form 3160-4 with the Subsequent Report.
7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.