

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

OXY USA WTP LP (Attn: David Stewart)

3a. Address

P.O. Box 50250, Midland, TX 79710

3b. Phone No. (include area code)

432-685-5717

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

Sec. 1, T21S, R23E
860' FSL 660' FWL

5. Lease Serial No.

NM-04827-B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

MOC Federal #6

9. API Well No.

30-015-28285

10. Field and Pool, or Exploratory Area

South Dagger Draw/
Upper Pen Associate

11. County or Parish, State

Eddy NM

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

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

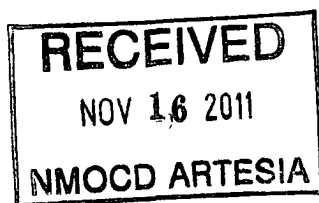
TYPE OF ACTION

☒ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other _____

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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

OXY USA WTP LP request the BLM review for approval the attached coil tubing/acid stimulation.

Please see attached proposed word procedure, and WBD.

Accepted for record
NMOCDSEE ATTACHED FOR
CONDITIONS OF APPROVAL14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jereme Robinson/ jereme_robinson@oxy.com

Title

Sr. Regulatory Analyst

Date 10/17/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

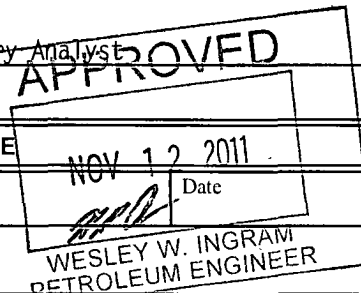
Approved by

Title

Office

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.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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



MOC FEDERAL # 006
API#: 30-015-28285
Lease #: NM-04827-B
LOCATION: Sec 1, T21S-R23E
SURFACE HOLE LOCATION: 860' FSL & 660' FWL
EDDY COUNTY, NEW MEXICO

PROJECT: Coil Tubing Stimulation – Upper Penn formation

OBJECTIVE: The well was drilled and completed with 7" csg with TOC at surface in March 1996. Upper Penn formation was perforated/acidize and put on production. The well is a Rod Pump producer well. This well was select for the Coil Tubing Stimulation pilot. In addition to the economic opportunity, this project is expected to incorporate an innovative stimulation technique to improve the base production of all the wells in the North New Mexico / Terrell. Successful results would extend this technology application further in the Upper Penn, Yeso, Wolfcamp and 1st Bone Spring, which have been extensively developed with vertical wells.

WELL TYPE: PRODUCER

CURRENT PRODUCTION: 0.1 BO, 0 BW, 1 MSCFD

ANTICIPATED PRODUCTION: 38 BO, 582 BW, 574 MSCFD

CURRENT LIFT METHOD: BEAM PUMP

NEW LIFT METHOD: BEAM PUMP

WELL INFORMATION: All Depths Are Measured Depths

Spud Date: January 15, 1996

TD: 8022' MD

PLUGBACK: 7939' MD

KB: 17'

PROPOSED UPPER PENN PERFORATIONS: Jet out four (4) - 7/8" perforations at 7864' w/ 90 deg phasing. Acid Stimulate perforations w/ 15% HCl.

CASING DETAIL:

SIZE (IN)	Weight (LB/FT)	Grade	Depth (FT)	Bit Size (INCH)	CMT (SX)	TOC (FT)	TECHNIQUE (TS, CBL, CIRCULATED, CALCULATED)
9-5/8"	36#	K-55	1206'	12-1/4"	655	0	Circulated
7"	23# & 26#	K-55	8021'	8-3/4"	1250	0	Circulated

TUBING DETAIL (current): No TBG in Hole

DEVIATION SURVEY:

MD	Degree	MD	Degree	MD	Degree	MD	Degree
270	0.25	1978	1.25	4527	0.5	6161	0.5
503	0.5	2471	1.25	4811	0.75	6569	0.25
797	1	2967	1	5030	1	7070	0.25
1047	1.25	3463	1	5312	1.5	7567	0.25
1215	1	3960	0.75	5501	0.75	7974	0.75
1512	1	4244	0.5	5782	0.75		

ANY KNOWN CASING PROBLEMS: None

OPERATIONAL COMMENTS:

- Use 2% KCl water as completion if necessary. Use real KCl, not liquid substitutes.
- *Oxy will provide 1 tank with 4000 gallons filtered to 10 microns or city water. These amount is required to jet out the four laterals. This point was already discussed with Dalton Dean and RDS personnel.*
- *Oxy will provide 400 glns of 15% HCL plus additives to stimulate perforations (Acid volume subject to change).*

RECOMMENDED PROCEDURE:

NOTE: PLEASE CALL PC'S (JERRY HARRISON OR VAN BARTON) AT (575) 628-4110/4111 AND THE PUMPER FOR THE RUN (ASK PC FOR CONTACT INFORMATION, IF NECESSARY) TO INFORM THEM OF YOUR WORK ON THE WELL 48 HOURS PRIOR TO THE JOB, OR AS SOON AS POSSIBLE, IF THAT TIME IS PASSED. Contact BLM-Carlsbad 24 hours prior to work.

Well preparation

1. MIRU PU.
2. Ensure the well is dead. ND WH. NU BOP.
3. POOH LD Rod string and Rod Pump.
4. POOH LD 2-7/8" tubing. Scan tubing.
5. Clean tubing to remove scale and/or paraffin.
6. RIH bit and scrapper on 2-7/8" working string to 7,900'. POOH.
7. Run the **Deflecting Shoe** in the hole with 12 jts of clean 2-3/8" tubing. Continue run with clean 2-7/8" tubing just below 7864'.
8. RU wireline unit. Run a GR/CCL log to correlate shoe to the log and adjust to 7864'. RD wireline unit.

Rig up coiled tubing unit

Jet 4 perforation holes at 0°, 90°, 180° and 270° in Upper Penn formation at **7864'**.

9. Run mud motor with mill on coil tubing inside the 2-7/8" tubing. Mill a perforation hole in 7" casing at **7864'** using a **7/8" mill on a flex shaft**.
10. Pull out mud motor and attach **jetting hose and nozzle** and run back in.
11. Jet out perforation for effective acid penetration of up to 300' from the wellbore at **7864'**.
12. Acidize the perforation. Stimulate w/ approximately 100 glns of 15% HCL with Fercheck plus 0.2% corrosion inhibitor, 0.2% surfactant and 0.4% iron control. Displace with 2% KCL. (Acid volume subject to change).
13. Pull out the jetting hose and nozzle
14. Rotate tubing 90 degrees (**90°**)
15. Repeat steps 9, 10, 11, 12 and 13
16. Rotate tubing 90 degrees (**180°**)
17. Repeat steps 9, 10, 11, 12 and 13
18. Rotate tubing 90 degrees (**270°**)
19. Repeat steps 9, 10, 11, 12 and 13
20. POOH 2-7/8" tubing and LD the deflecting shoe.
21. RDMO coiled tubing unit.

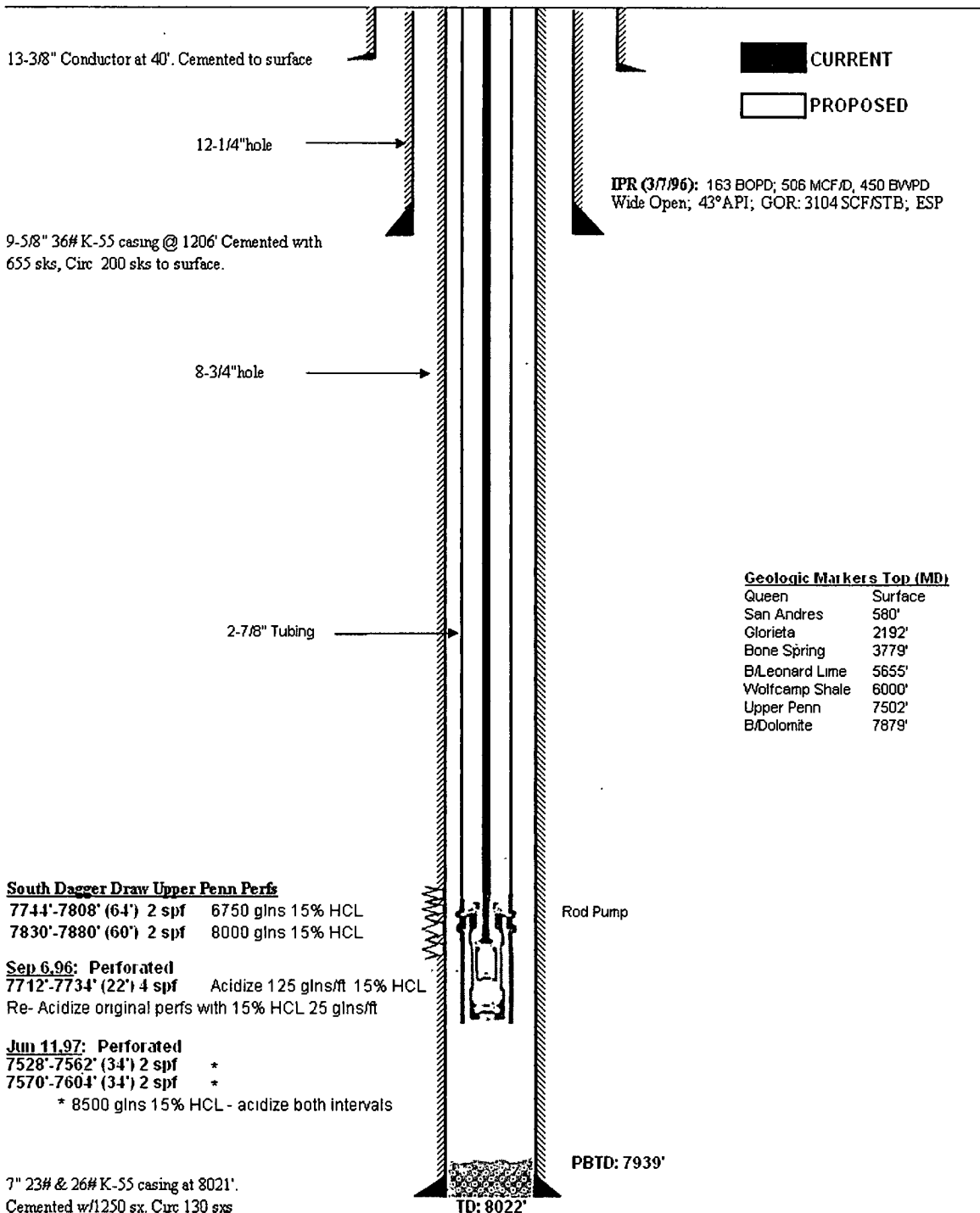
Permanent Completion

22. RIH with 2-7/8" tubing and Seating Nipple (same as original).
23. Land the TAC at 7420', which should land the Seating Nipple at roughly 7800'.
24. RIH with Rod pump and Sucker rods. Rod Pump design will be provided by Mike McNeely's group.
25. Land and space out the pump. Ensure that the well pumps up properly.
26. RDMO PU. Install pumping unit installation and startup.
27. Turn Over To Production.

WELLBORE SCHEMATIC

FIELD: Indian Basin
 WELL: MOC Federal #006
 OPERATOR: OXY USA WTP
 SEC: 1 TWP: 21S RGE: 23E
 LOCATION: 860' FSL and 660' FWL

Original Completion: 03/04/1996
 County, State: Eddy Co, NM
 KB: 16'
 GL: 3759' KB Ele: 3775'
 API #: 30-015-28285



OCCIDENTAL OIL AND GAS CORPORATION

WELLBORE DIAGRAM AND INFORMATION

Well Name: MOC Federal #006 Field: Indian Basin
 Date: 20-Sep-2011 Location: 860' FSL & 660' FWL Sec. 1 T21S-R23E
 County: Eddy County State: New Mexico

Spud: 1/15/96
 KB: 17'
 TD: 8022' MD
 PBTD: 7939' MD
 API #: 30-015-28285

Hole size.
12 1/4"

9 5/8" 36# K-55 @ 1206' w/
655 sx circulated to SFC

Hole size.
8 3/4"

CASING DETAIL

Size	Weight	Grade	Depth	Cement
9 5/8"	36#	K-55	Surf-1206'	655 sx
7"	23# & 26#	K-55	Surf-8021'	1250 sx

TUBING DETAIL

Size	Weight	Grade	Depth	Detail

ROD DETAIL

Size	Weight	Grade	Depth	Detail

PUMP DETAIL

Perforations – Open – Penn Upper
 7528'-7562' (34') 2 SPF & 7570'-7604' (34') 2 SPF

Perforations – Open – Penn Upper
 7712'-7734' (22') 4 SPF

Perforations – Open – Penn Upper
 7744'-7808' (64') 2 SPF & 7830'-7880' (60') 2 SPF

Perforations – Proposed – Penn Upper
 7864' (4 SPF)

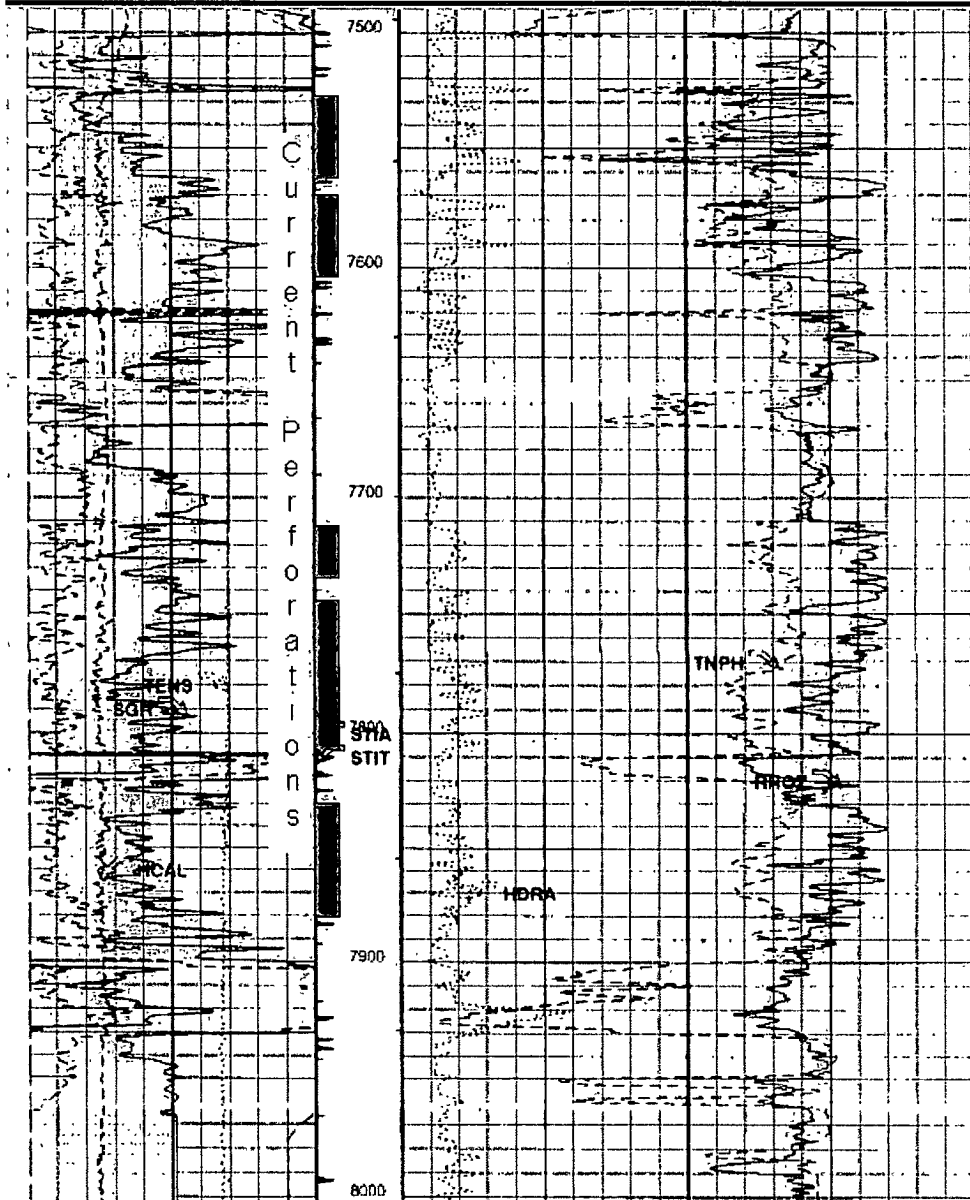
7" 23# & 26# K-55 @ 8021' w/
1250 sx circulated to SFC

TD @ 8022' MD

Created By: T. Russell
 Revised Date: 9/21/2011

MAIN LOG

Uranium Indicator From CGR to SGR			
Tension (TENS) 10000 (LBF) 0			
Spectroscopy Gamma Ray (SGR) (GAPI)	Tool-Tot Drag From D3T to STIA	Env. Corr. Thermal Neutron Porosity (TNPH) (V/V)	
Caliper (HCAL) (IN)	Cable Diag 16 From STIA 2 to STIT	Formation Density (RHOZ) (G/CC)	
Computed Gamma Ray (CGR) (GAPI)	Stuck Stretch (STIT)	HRDD Density Correction (HDRA) (G/CC)	



**MOC Federal 6
OXY USA WTP LP
November 12, 2011
Conditions of Approval**

- 1. Surface disturbance beyond the originally approved pad must have prior approval.**
- 2. Closed loop system required.**
- 3. Operator to have H2S monitoring equipment on location.**
- 4. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.**
- 5. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over 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.**
- 6. Operator to submit a subsequent sundry with details of work performed including a new well test.**

WWI 111211