

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 Limited Partnership (attn: David Stewart)

3a. Address

P.O. Box 50250, Midland, Texas 79710

3b. Phone No. (include area code)

432-685-5717

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

SHL: 1980' FSL & 2310' FEL, (J) Sec. 14, T21S, R23E

5. Lease Serial No

NM-76919

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Roaring Springs #7

14 Fed Com

9. API Well No.

30-015-30845

10. Field and Pool, or Exploratory Area

South, Dagger Draw
Upper Penn

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

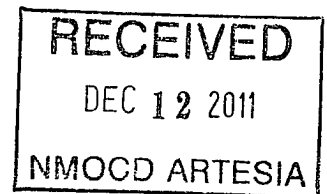
TYPE OF ACTION

☒ 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 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 shall 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 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 and approve the proposed coil tubing/acid stimulation.

Please see attached proposed work procedure, and WBD,

Accepted for record
NMOCDTOS
12/13/201114. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jereme W. Robinson

Title

Sr. Regulatory Analyst

Date

10/17/2011

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

ACCEPTED FOR RECORD
DEC 9 2011
WESLEY W. JERAM
PETROLEUM ENGINEER

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.

Jim

ROARING SPRINGS 14 FED COM 007
API#: 30-015-30845
Lease #: NM-76919
LOCATION: Sec 14, T21S-R23E
SURFACE HOLE LOCATION: 1980' FSL & 2310' FEL
EDDY COUNTY, NEW MEXICO

PROJECT: Coil Tubing Stimulation – Upper Penn formation

OBJECTIVE: The well was drilled and completed with 7" csg in February 2000. Upper Penn formation was perforated/acidize and put on production. The well is a Beam Pump producer. 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 BO, 0 BW, 10 MSCFD

ANTICIPATED PRODUCTION: 40 BO, 582 BW, 581 MSCFD

CURRENT LIFT METHOD: BEAM PUMP

NEW LIFT METHOD: BEAM PUMP

WELL INFORMATION: All Depths Are Measured Depths

Spud Date: December 7, 1999

TD: 8100' MD

PLUGBACK: 8015' MD

KB: 17'

PROPOSED CISCO REEF PERFORATIONS: Jet out four (4) - 7/8" perforations at 7659' w/ 90 deg phasing, & four (4) - 7/8" perforations at 7849' w/ alt. 90 deg phasing.

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	1208'	14-3/4"	560	0	Circulated
7"	26#		8100'	8-3/4"	555	Unknown	None

TUBING DETAIL (current as per Lowis):

Part Type	Name of Component	Install Date	Total Quantity	Total Length	Top Depth	Bottom Depth
Dip Tube	Dip Tube 1 250 S316 1.660 OD/1.440 ID - W/3 FT SAND SCREEN	06/03/2011	1	16.00	6611.75	6627.75
Polished Rod	1.500 (1 1/2 in.) C x 30' w/Polished Rod Liner 16'X1 3/4"	06/03/2011	1	30.00	15.00	45.00
Rod	1.000 (1 in.) 97 x 25 Rod - GUIDED	06/03/2011	50	1250.00	6242.50	7492.50
Rod	1.000 (1 in.) N-97 (HS) x 25 Rod - NON GUIDED	06/03/2011	108	2700.00	3542.50	6242.50
Rod	1.240 (1 1/4 in.) FG x 37.5 Rod	06/03/2011	93	3487.50	55.00	3542.50
Rod Pump (Insert) (NON-SERIALIZED)	Insert - 1.75" x 30' - 25-175-RHBC-36-6 (Bore = 1.75)	06/03/2011	1	36.00	7821.58	7857.58
Rod Sub	1.000 (1 in.) N-97 (HS) x 6 Rod Sub - N/A	06/03/2011	1	6.00	49.00	55.00
Rod Sub	1.000 (1 in.) N-97 x 4 Rod Sub - N/A	07/09/2010	1	4.00	45.00	49.00
Rod Sub	Stabilizer Bar 0.875"	06/03/2011	1	3.33	7818.25	7821.58
Shear Tool	Shear Tool 26K	06/03/2011	1	0.75	7792.50	7793.25
Sinker Bar	1.250 (1 1/4 in.) K x 25 Sinker Bar - N/A	06/03/2011	13	325.00	7492.50	7818.25
Mud Anchor	Bull-Plug Mud Anchor 2.875" - N/A	06/03/2011	1	30.70	7846.35	7877.05
Perforated Tubing Sub	Perforated Tubing Sub 2.875" - J-55	06/03/2011	1	4.00	7842.35	7846.35
Seat Nipple / Shoe	Seat Nipple - Standard (2.875") Cup Type - N/A	06/03/2011	1	1.10	7841.25	7842.35
Tubing - OD 2.875	L-80 2.875 OD/ 6'50# T&C External Upset 2.441 ID 2.347 Drift - N/A	06/03/2011	249	7821.90	15.00	7841.25
Tubing Anchor/Catcher	Tubing Anchor/Catcher 7.000" 45K	06/03/2011	1	2.35	7433.05	7435.40
Tubing Sub - OD 2.875	L-80 2.875 OD/ 6'50# T&C External Upset 2.441 ID 2.347 Drift - MARKER SUB	06/03/2011	1	2.00	7368.10	7370.10

DEVIAATION SURVEY:

MD	Degree
490	0.25
998	0.5
1215	0.5
1310	1.75
1839	2.25
2086	2
2328	1.75

MD	Degree
2793	1.75
3288	1
3750	0.75
4250	0.5
4747	1.5
5060	2
5374	2.75

MD	Degree
5723	2.75
6040	2.75
6355	2.75
6862	1
7367	1.25
7675	0.75
8081	1.25

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 8,000 gallons filtered to 10 microns or city water. These amount is required to jet out the eight laterals.
- Oxy will provide 800 glns of 15% HCL plus additives to stimulate perforations. (Acid volume subject to change).

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 scanning the 2-7/8" OD tubing.
5. Clean tubing to remove scale and/or paraffin.
6. RIH bit and scrapper on 2-7/8" working string to 7,910'. POH.
7. RU wireline unit. The GyroData tools guy will calibrate the shoe on the surface with the gyro stinger. RD wireline unit.
8. 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 7849'.
Note: because will use a gyro to orient the shoe, a UBHO sub will have to be part of the tubing string.
9. Run a GR/CCL log to correlate shoe to the log and adjust to 7849'.

10. Run the gyro tool on a wire line to orient the shoe to 0° azimuth.

Rig up coiled tubing unit

Jet 4 perforation holes at 0°, 90°, 180° and 270° in Upper Penn formation at **7849'**.

11. Run mud motor with perforating mill on coil tubing inside the 2-7/8" tubing. Perforate a hole in 7" casing at **7849'** using a **7/8" mill on a flex shaft**.

12. Pull out mud motor and attach **jetting hose and nozzle** and run back in.

13. Jet out perforation for effective acid penetration of up to 300' from the wellbore at **7849'**.

14. 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).

15. Pull out the jetting hose and nozzle

16. Rotate tubing 90 degrees (**90°**)

17. Repeat steps 11, 12, 13, 14 and 15

18. Rotate tubing 90 degrees (**180°**)

19. Repeat steps 11, 12, 13, 14 and 15

20. Rotate tubing 90 degrees (**270°**)

21. Repeat steps 11, 12, 13, 14 and 15

Jet 4 perforation holes at 0°, 90°, 180° and 270° in Upper Penn formation at **7659'**.

22. Pull 2-7/8" tubing and LD the deflecting shoe to 7659'.

23. RU wireline unit. Run the gyro tool on a wire line to orient the shoe to 45° azimuth. RD wireline unit.

24. Run mud motor with perforating mill on coil tubing inside the 2-7/8" tubing. Perforate a hole in 7" casing at **7659'** using a **7/8" mill on a flex shaft**.

25. Pull out mud motor and attach **jetting hose and nozzle** and run back in.

26. Jet out perforation for effective acid penetration of up to 300' from the wellbore at **7659'**.

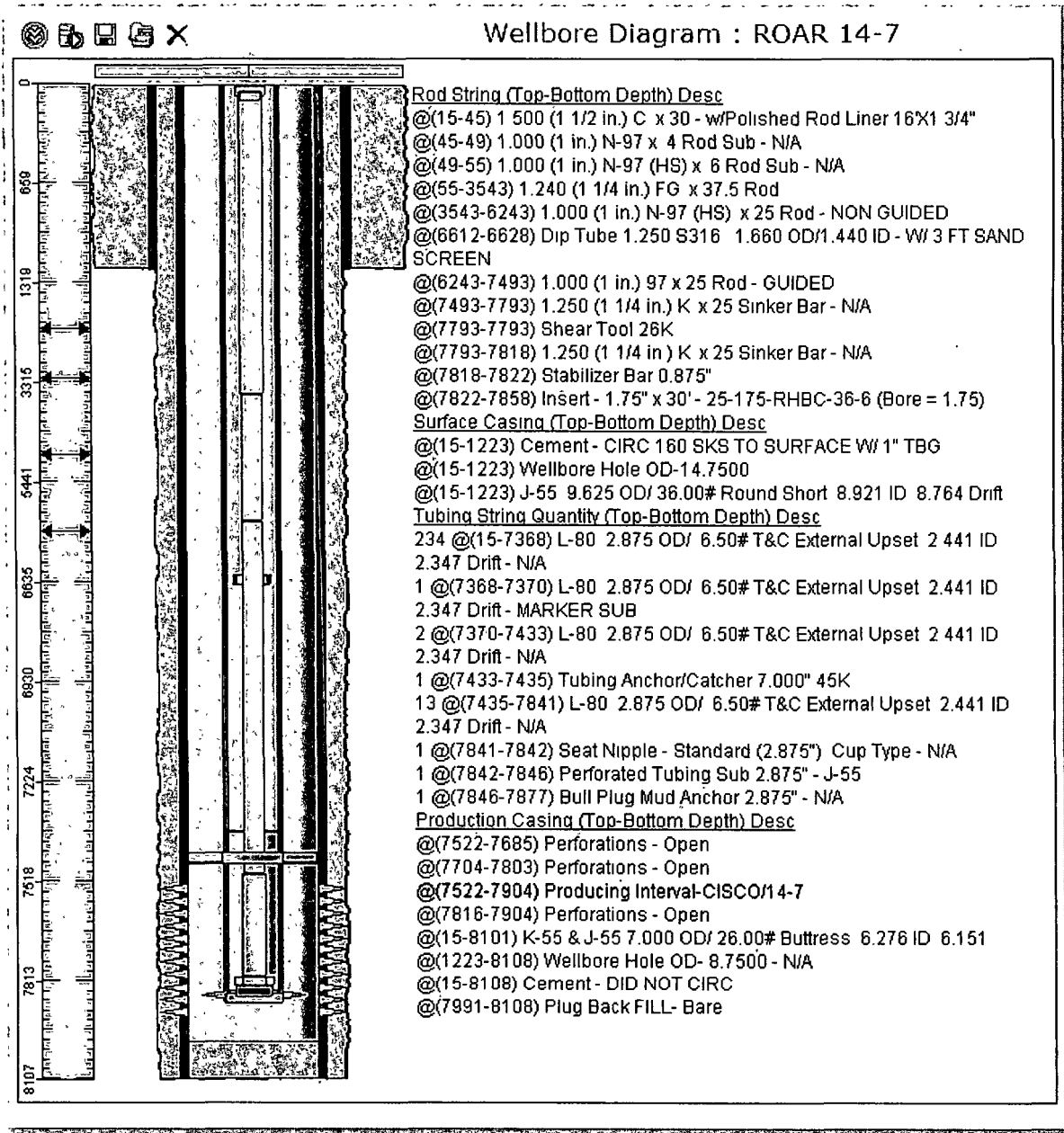
27. Acidize the perforation. Stimulate w/ approximately 100 glns of 15% HCL with Fercheck plus 0.2% corrosion inhibitor, 0.2% surfactant and 0.4% iron control. Displace with 2% KCL. (Acid volume subject to change).

28. Pull out the jetting hose and nozzle
29. Rotate tubing 90 degrees (**90°**)
30. Repeat steps 24, 25, 26, 27 and 28
31. Rotate tubing 90 degrees (**180°**)
32. Repeat steps 24, 25, 26, 27 and 28
33. Rotate tubing 90 degrees (**270°**)
34. Repeat steps 24, 25, 26, 27 and 28
35. POOH 2-7/8" tubing and LD the deflecting shoe.
36. RDMO Coil Tubing Unit.

Permanent Completion

37. RIH with 2-7/8" tubing and Seating Nipple (same as original)
38. Land the TAC at 7433', which should land the Seating Nipple at roughly 7842'.
39. RIH with Rod pump and Sucker rods. Rod Pump design will be provided by Mike McNeely's group.
40. Land and space out the pump. Ensure that the well pumps up properly.
41. RDMO PU. Install pumping unit installation and startup.
42. Turn Over To Production.

WELLBORE SCHEMATIC



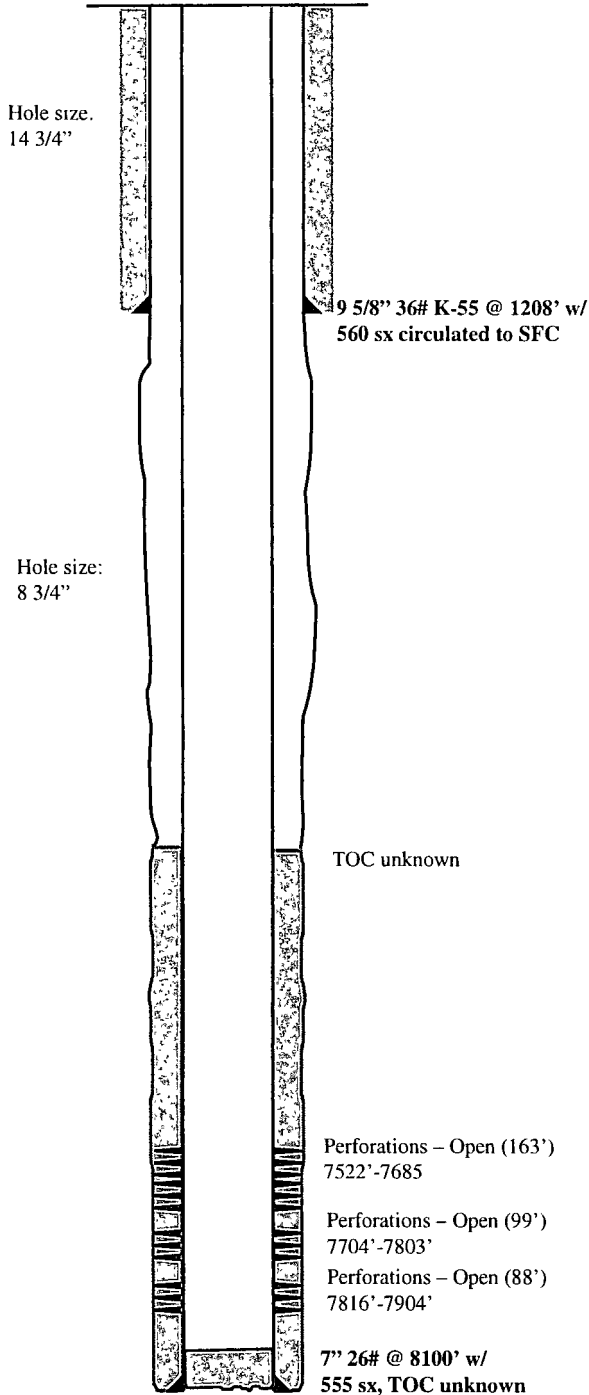
OCCIDENTAL OIL AND GAS CORPORATION

WELLBORE DIAGRAM AND INFORMATION

Well Name: Roaring Springs 14 Fed Com 7
 Date: 20-Sep-2011
 County: Eddy County

Field: Indian Basin
 Location: 1980' FSL & 2310' FEL Sec. 14 T21S-R23E
 State: New Mexico

Spud:	12/7/99
KB:	17'
TD:	8100' MD
PBTD:	8015' MD
API #:	30-015-30845



TD @ 8100' MD

CASING DETAIL				
Size	Weight	Grade	Depth	Cement
9 5/8"	36#	K-55	Surf-1208'	560 sx
7"	26#	unk	Surf-8100'	555 sx
TUBING DETAIL				
Size	Weight	Grade	Depth	Detail
ROD DETAIL				
Size	Weight	Grade	Depth	Detail
PUMP DETAIL				

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

