

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 502 Midland Texas 79710

3b. Phone No. (include area code)

806-555-5717

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

2310' FSL & 800' FWL, (L) Sec. 14, T21S, R23E

5. Lease Serial No.

4-7f 1

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Roaring Springs #6

9. API Well No.

347

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

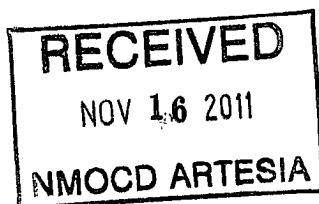
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☒ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☐ Change 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 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
NMOCD



SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jereme W. Robinson

Title

Sr. Regulatory Analyst

Date 10/18/2011

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

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

APPROVED

NOV 16 2011

WESLEY W. INGRAM
BLM ENGINEER

ROARING SPRINGS 14 FED COM 006
API#: 30-015-30347
Lease #: NM-76919
LOCATION: Sec 14, T21S-R23E
SURFACE HOLE LOCATION: 2310' FSL & 800' 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 October 1998. 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, 30 MSCFD

ANTICIPATED PRODUCTION: 33 BO, 532 BW, 479 MSCFD

CURRENT LIFT METHOD: BEAM PUMP

NEW LIFT METHOD: BEAM PUMP

WELL INFORMATION: All Depths Are Measured Depths

Spud Date: September 20, 1998

TD: 8000' MD

PLUGBACK: 7853' MD

KB: 17'

PROPOSED CISCO REEF PERFORATIONS: Jet out four (4) - 7/8" perforations at 7729' w/ 90 deg phasing, four (4) - 7/8" perforations at 7560' w/ 90 deg phasing, and four (4) - 7/8" perforations at 7465' w/ 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#	J-55	1207'	12-1/4"	840	0	Circulated
7"	26#	K-55	8000'	8-3/4"	453	6280'	CBL

TUBING DETAIL (current):

Part Type	Name of Component	Install Date	Total Quantity	Total Length	Top Depth	Bottom Depth
Gas Anchor (Rod)	Gas Anchor (Rod) 1.000 OD x 4" N/A	11/22/2010	1	4.00	7308.00	7312.00
Polished Rod	1.500 (1 1/2 in.) C x 36 - N/A	12/10/2010	1	36.00	11.00	47.00
Rod	0.875 (7/8 in.) N-97 (HS) x 25' Rod - N/A	12/10/2010	111	2775.00	4611.00	7386.00
Rod	1.000 (1 in.) N-97 (HS) x 25' Rod - N/A	12/10/2010	99	2475.00	2311.00	7561.00
Rod	1.125 (1 1/8 in.) N-97 (HS) x 25' Rod - N/A	12/10/2010	90	2250.00	61.00	2311.00
Rod Pump (Insert) (NON-SERIALIZED)	Rod Pump (Insert) (NON-SERIALIZED) - 25-150-RXBM-36-6 WITH MECHANICAL HOLD DOWN	12/10/2010	1	36.00	7762.00	7798.00
Rod Sub	0.750 (3/4 in.) D x 1' Rod Sub - N/A	12/10/2010	1	1.00	7761.00	7762.00
Rod Sub	1.000 (1 in.) N-97 x 4' Rod Sub - N/A	12/10/2010	2	8.00	47.00	55.00
Rod Sub	1.000 (1 in.) N-97 x 6' Rod Sub - N/A	12/10/2010	1	6.00	55.00	61.00
Sinker Bar	1.500 (1 1/2 in.) K x 25' Sinker Bar - WITH 3/4" PIN	12/10/2010	8	200.00	7561.00	7761.00
Bull Plug (Tubing)	Bull Plug (Tapped) 3.500" Standard - WITH X-O	12/10/2010	1	31.24	7819.40	7850.64
Sand Separator	Cavins Separator 2 7/8" x 20"	12/10/2010	1	20.23	7799.17	7819.40
Seat Nipple / Shoe	Seat Nipple/Shoe - (2.875") MECHANIC WITH X-O	12/10/2010	1	1.10	7798.07	7799.17
Tubing - OD 3.500	L-80 3.500 OD/ 9.30# T&C External Upset 2.992-ID 2.867 Drift - N/A	01/01/1801	256	7812.27	13.00	7880.94
Tubing Anchor/Catcher	Tubing Anchor/Catcher 7.000" - N/A	12/10/2010	1	3.10	7731.75	7734.85

DEVIATION 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 12,000 gallons filtered to 10 microns or city water. This amount is required to jet out the twelve laterals.*
- *Oxy will provide 1200 gals 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 scraper on 2-7/8" working string to 7,800'. POOH.
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 7729'.
Note: because will use a gyro to orient the shoe, a UBHO sub will have to be part of the tubing string in the 2-3/8" section.
9. Run a GR/CCL log to correlate shoe to the log and adjust to 7729'.
10. Run the gyro tool on a wire line to orient the shoe to the 0° azimuth.

Rig up coiled tubing unit

Jet 4 perforation holes at 0°, 90°, 180° and 270° in Upper Penn formation at 7729'.

11. Run mud motor with perforating mill on coil tubing inside the 2-7/8" tubing. Perforate a hole in 7" casing at 7729' 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 7729'.

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 7560'.

22. Pull 2-7/8" tubing and LD the deflecting shoe to 7560'.

23. RU wireline unit. Run the gyro tool on a wire line to orient the shoe to the 30° 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 7560' 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 7560'.

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°**)

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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

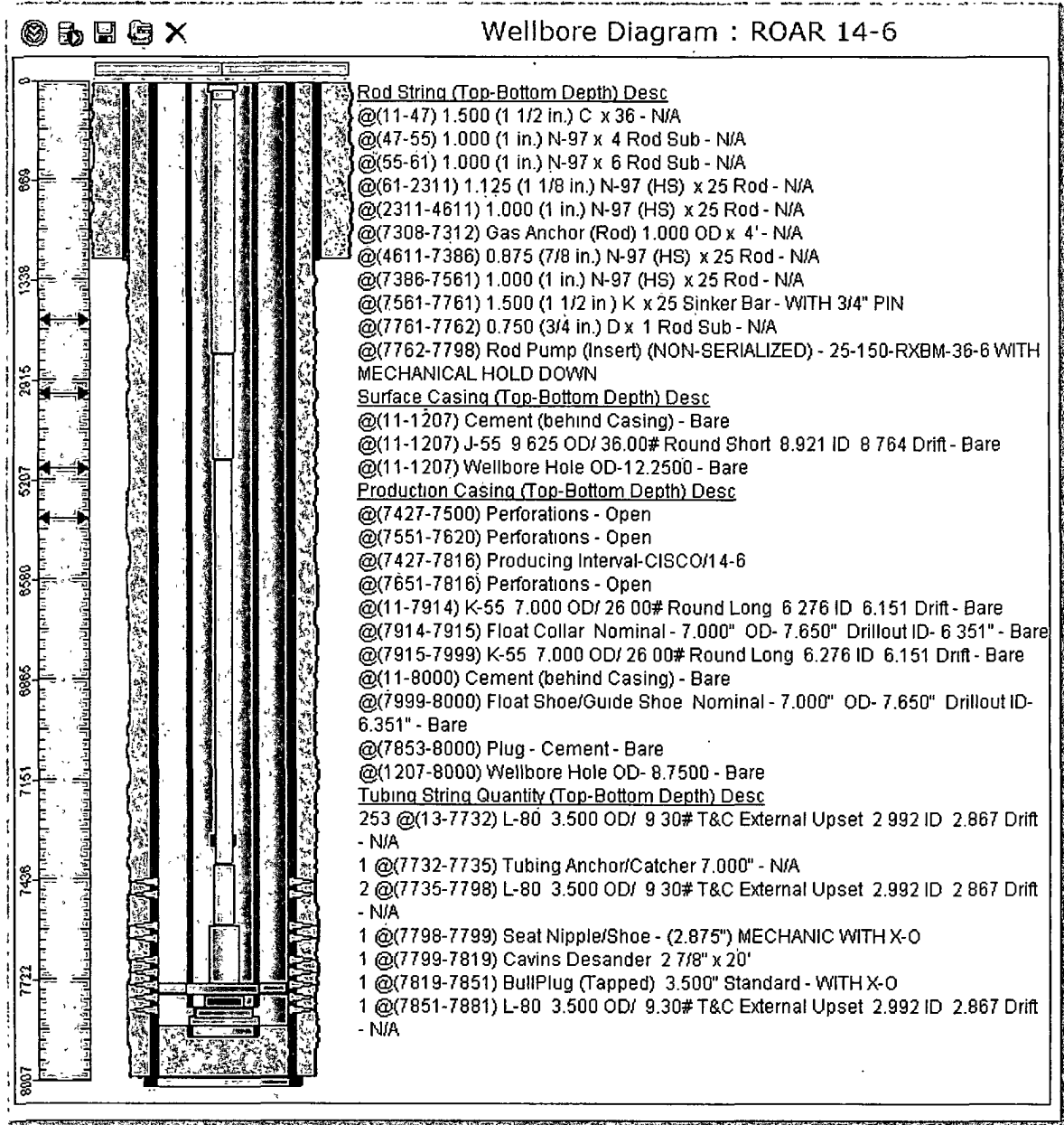
Jet 4 perforation holes at 0°, 90°, 180° and 270° in Upper Penn formation at 7465'.

35. Pull 2-7/8" tubing and LD the deflecting shoe to 7465'.
36. RU wireline unit. Run the gyro tool on a wire line to orient the shoe to the 60° azimuth. RD wireline unit.
37. Run mud motor with perforating mill on coil tubing inside the 2-7/8" tubing. Perforate a hole in 7" casing at 7465' using a 7/8" mill on a flex shaft.
38. Pull out mud motor and attach jetting hose and nozzle and run back in.
39. Jet out perforation for effective acid penetration of up to 300' from the wellbore at 7465'.
40. 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.
41. Pull out the jetting hose and nozzle
42. Rotate tubing 90 degrees **(90°)**
43. Repeat steps 37, 38, 39, 40, and 41
44. Rotate tubing 90 degrees **(180°)**
45. Repeat steps 37, 38, 39, 40, and 41
46. Rotate tubing 90 degrees **(270°)**
47. Repeat steps 37, 38, 39, 40, and 41
48. POOH 2-7/8" tubing and LD the deflecting shoe.
49. RDMO Coil Tubing Unit.

Permanent Completion

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

WELLBORE SCHEMATIC

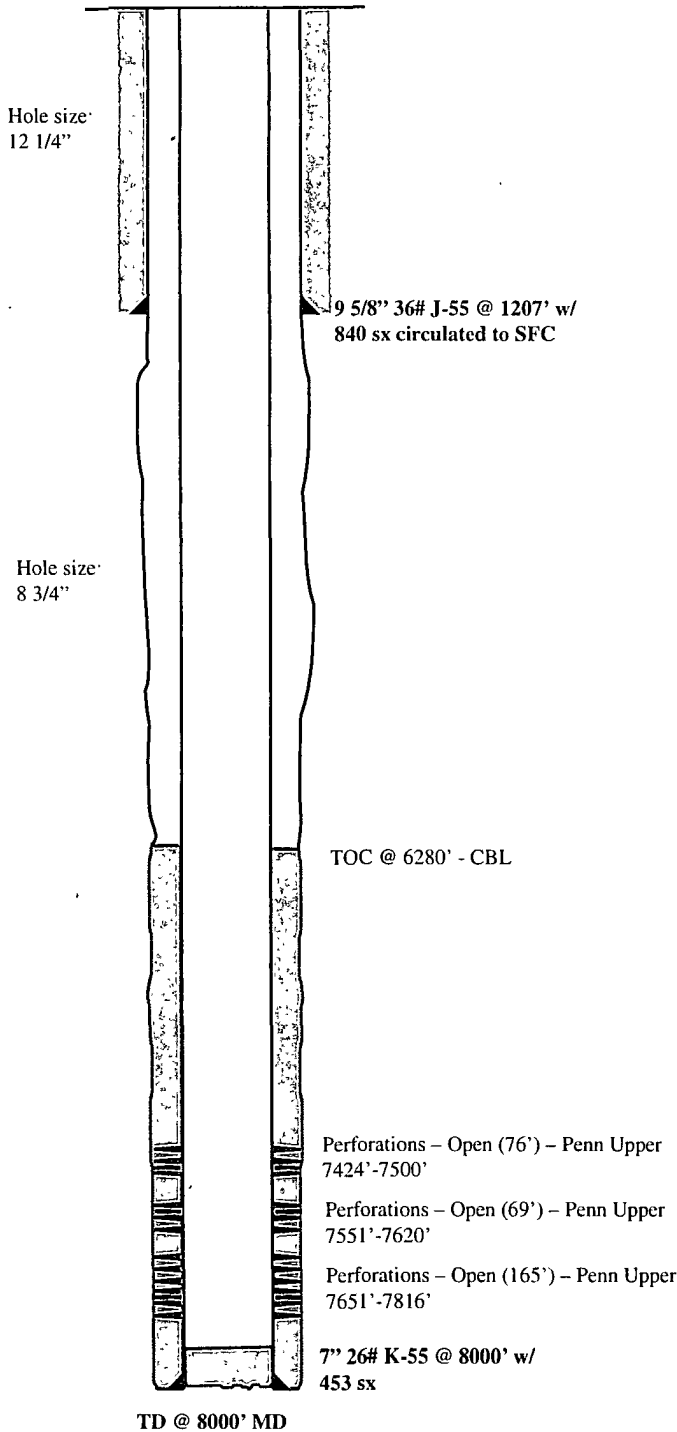


OCCIDENTAL OIL AND GAS CORPORATION

WELLBORE DIAGRAM AND INFORMATION

Well Name: Roaring Springs 14 Fed Com 6 Field: Indian Basin
 Date: 20-Sep-2011 Location: 2310' FSL & 800' FWL Sec. 14 T21S-R23E
 County: Eddy County State: New Mexico

Spud:	9/20/1998
KB:	17'
TD:	8000' MD
PBTD:	7853' MD
API #:	30-015-30347



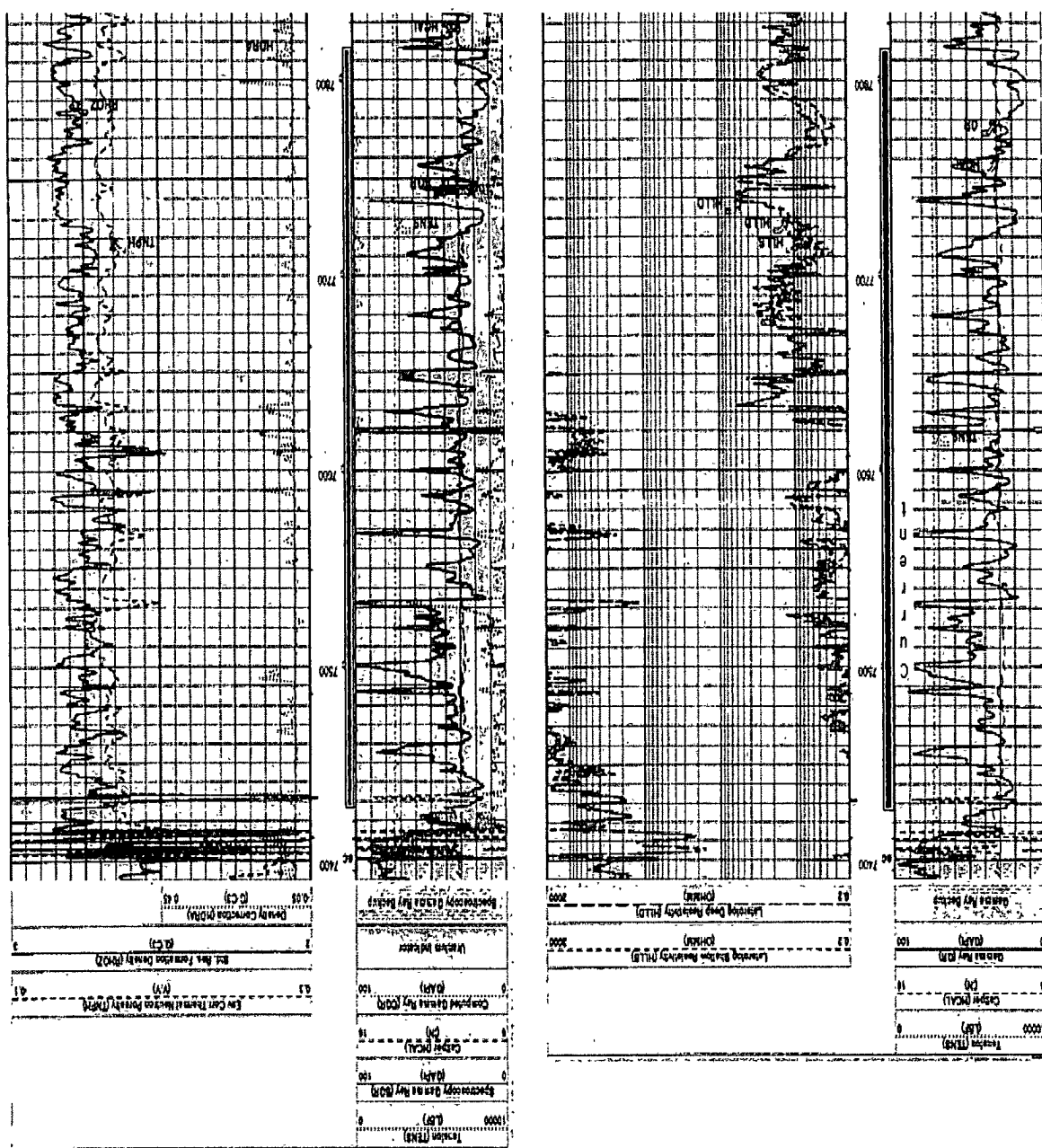
CASING DETAIL				
Size	Weight	Grade	Depth	Cement
9 5/8"	36#	J-55	Surf-1207'	840 sx
7"	26#	K-55	Surf-8000'	453 sx
TUBING DETAIL				
Size	Weight	Grade	Depth	Detail
ROD DETAIL				
Size	Weight	Grade	Depth	Detail
PUMP DETAIL				

Perforations – Proposed – Penn Upper 7465' (4 SPF)

Perforations – Proposed – Penn Upper 7560' (4 SPF)

Perforations – Proposed – Penn Upper 7729' (4 SPF)

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



**Roaring Springs 14 Fed Com 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