

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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.

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APR 19 2006

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

192463

3a. Address

P.O. Box 50250, Midland, TX 79710-0250

3b. Phone No. (include area code)

432-685-5717

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

SL - 330 FNL 1480 FEL NWNE(B) Sec 24 T22S R24E
BHL - 1852 FSL 1931 FWL NESW(K) Sec 18 T22S R25E

5. Lease Serial No.

NMNM97112

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

McKittrick 18 #1

Federal

9. API Well No.

30-015-34151

10. Field and Pool, or Exploratory Area

McKittrick Hills Up. 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

- | | | | |
|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>Completion</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> 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.)

See Attached

ACCEPTED FOR RECORD

APR 17 2006

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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

David Stewart

Title

Sr. Regulatory Analyst

Date

4/10/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Mc Kittrick 18 Federal #1

- 08/01/05 Road rig & crew to location from Exxon 33 Fed Com #1. MIRU Mesa Well Service pulling unit. Had B-section put on well over the weekend as well as getting anchors set. Had Lucky set pipe racks & Two-State bring 290 jts- 2 7/8" J-55 6.5# EUE 8rd yellow band tbg & rack. NU Key Torus hydraulic BOP w/ single blind & accumulator. RU Lucky reverse unit & set 500 Bbl frac tank by pump. Had Key trucks fill pit & frac tank w/ fresh wtr & soap. PU & RIH w/ 6 1/8" drill bit, 4 drill collars, x-over sub and 249 jts- 2 7/8" J-55 tbg. Tag TOF above DV tool @ 7948' by tally. POOH & LD 2 jts- 2 7/8" J-55 tbg. Close BOP rams. Pressure test csg to 2000#. Held good. Bled off pressure. Left TIW valve closed on tbg. SDFN. Will PU swivel & start drilling DV tool in the AM.
- 08/02/05 Open BOP rams. PU & RIH w/ 2 jts- 2 7/8" J-55 tbg. PU swivel to start DO DV tool. Could not get swivel to rotate tbg (due to deviation in wellbore). RD swivel & LD 2 jts- 2 7/8" tbg. PU swivel again & tried to get rotation. Tbg would not turn unless working tbg in or out of hole. RD swivel & LD 5 jts- 2 7/8" tbg. Circulated btms up to clean wellbore. Still no rotation w/ tbg unless working tbg in/out. POOH w/ 20 jts- 2 7/8" tbg & PU swivel to check for any rotation w/ bit @ 7073'. No rotation. POOH w/ 20 jts- 2 7/8" tbg & PU swivel to check for rotation w/ bit @ 6463'. No rotation. POOH w/ 20 jts- 2 7/8" tbg & PU swivel to check for rotation w/ bit @ 5853'. Tbg rotated good. Continue to POOH w/ 181 jts- 2 7/8" tbg & stand back. LD (3) 4 3/4" drill collars & wore bit. Bit had loose cone & teeth broke off outside edges on cones. Wait for new bit to get to location. RIH w/ new 6 1/8" bit, (1) 4 3/4" drill collar, x-over sub, 181 jts- 2 7/8" J-55 tbg. PU swivel to check rotation. Had good rotation. RIH w/ 20 jts- 2 7/8" tbg & PU swivel again. Still had good rotation @ 1100# torque. RIH w/ 20 jts- 2 7/8" tbg & PU swivel to check rotation. Had good rotation @ 1500# torque. RIH to top of DV tool found @ 7946' by tally. POOH w/ 2 jts- 2 7/8" tbg & PU swivel. Tbg would barely rotate w/ 2500# torque (too much torque for J-55 8rd tbg). Put TIW valve on tbg. Close BOP rams. SDFN. Will POOH w/ tbg & LD DC & 6 1/8" bit in the AM & RIH w/ tbg & 6" bit to see if tbg will rotate through deviation without any drill collars.
- 08/03/05 Remove TIW valve from tbg. Open BOP rams. POOH & stand back w/ 251 jts- 2 7/8" J-55 tbg. LD (1) 4 3/4" drill collar & 6 1/8" drill bit. PU & RIH w/ 6" drill bit, x-over sub, 252 jts- 2 7/8" J-55 tbg. Tag DV tool @ 7946'. POOH & LD 1 jt- 2 7/8" tbg. RU swivel & tried to turn 30' above DV tool. Swivel would turn tbg @ 1650# torque, but when we tried to drill we would lose rotation of tbg & stall out. Tbg is being held up against csg wall above the DV tool in the deviation. POOH standing back 250 jts- 2 7/8" J-55 tbg. LD 6" bit. Had to change out Torus BOP w/ single blind for another one due to hydraulic fluid leaking when shutting BOP. Also changed out accumulator. RIH w/ 1 jt- 2 7/8" tbg w/ x-over sub. Close BOP rams. Put TIW valve on tbg. Will get Two-State to bring 9800' rented 2 7/8" P110 7.9# PH6 tbg to location in the AM to RIH w/ down hole motor to drill DV tool. SDFN.
- 08/04/05 Remove TIW valve from tbg. Open BOP rams. POOH w/ 1 jt- 2 7/8" J-55 tbg & LD on pipe racks. Had forklift move 37 jts of 2 7/8" J-55 tbg off pipe racks & set to edge of location. Two-State brought 317 jts- 2 7/8" P110 7.9# PH6 tbg on two trucks. Had forklift offload tbg & set on pipe racks. Had Mesa pulling unit crew tally tbg. PU & RIH w/ 6 1/8" drill bit, 4 3/4" downhole drilling motor, (1) 4 3/4" drill collar, x-over subs, 201 jts- 2 7/8" P110 7.9# PH6 tbg. Put TIW valve on tbg. Close BOP rams. SDFN. Will finish RIH to tag DV tool & DO in the AM.
- 08/05/05 Remove TIW valve from tbg. Open BOP rams. Continue to RIH w/ 43 jts- 2 7/8" P110 7.9# PH6 tbg. Tag TOC above DV tool @ 7935'. PU off TOC approx 6' and had Lucky reverse pump start pumping fresh wtr dn tbg through swivel to start spinning bit on btm of downhole motor. DO cmt & tag top of DV tool @ 7958' by tally. Took 1 1/2 hrs to DO DV tool. Circulate btms up for 1 hr 10 minutes. RD swivel & pick off. Continue to PU & RIH w/ 47 jts- 2 7/8" P110 7.9# PH6 tbg off pipe racks. Tag TOC @ 9658'. PU off TOC approx 6' and had Lucky reverse pump start pumping fresh wtr through swivel to start spinning bit on btm of downhole motor. DO cmt & tag top of FC @ 9750'. Circulate btms up for 2 hrs @ 5.5 bpm til clean. POOH standing back 314 jts- 2 7/8" P110 7.9# PH6 tbg, x-over subs. LD (1) 4 3/4" drill collar & 4 3/4" downhole drilling motor along w/ 6 1/8" drill bit. PU & RIH w/ 1 jt- 2 7/8" P110 7.9# PH6 tbg (open ended). Put TIW valve on tbg. Close BOP rams & hydraulic bladder. SDFN. Will RIH w/ 6 1/8" bit & 7" scraper on 2 7/8" P110 7.9# PH6 tbg Monday AM before pickling tbg.

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- 08/08/05 Remove TIW valve from tbq. Open BOP rams. RIH w/ 62 jts- 2 7/8" P110 7.9# PH6 tbq & POOH & LD tbq on pipe racks. PU & RIH w/ 6 1/8" drill bit & 7" scraper, x-over sub, 253 jts- 2 7/8" J-55 6.5# EUE 8rd tbq. Worked scraper through DV tool @ 7958' (tally). Continue to RIH w/ 56 jts- 2 7/8" J-55 6.5# EUE 8rd tbq. Tag fill above FC @ 9735'. Have 309 jts- 2 7/8" J-55 tbq in hole w/ scraper when tagged up. RU BJ Services pump truck to tbq to pickle tbq w/ 200 gals Xylene followed by 800 gals 15% HCL acid then flush dn tbq & out csg to frac tank w/ 370 Bbls fresh wtr/ soap. RDMO BJ trucks. Had Key vacuum truck pull 2 loads from frac tank & haul to disposal. POOH w/ 309 jts- 2 7/8" J-55 6.5# EUE 8rd tbq, x-over sub, 7" scraper & 6 1/8" drill bit. RIH w/ 2 jts- 2 7/8" J-55 tbq in well as kill string. Put TIW valve in tbq. Close BOP rams & hydraulic bladder. Left well shut in. SDFN. Will RU Schlumberger wireline to run USIT & Dipole Sonic logs in the AM.
- 08/09/05 Remove TIW valve from tbq. Open BOP rams. RIH from derrick 60 jts- 2 7/8" P110 PH6 tbq then POOH & LD all jts on pipe racks. RU Schlumberger electric line truck to run USIT log. RIH w/ USIT tool to PBTD & log from 9700' to 9400' w/ no pressure. Went back to PBTD. Had Lucky reverse unit pressure csg to 1000# & hold. Started logging w/ USIT tool. Tool was intermittently quitting then working again. POOH w/ USIT tool. RIH w/ CBL tool to PBTD. Had Lucky reverse unit pressure csg to 1000# again. Started logging w/ CBL tool. Found no cement from PBTD to DV tool. At DV tool cement was good up to 6630'. USIT log showed very little cement on btm as well. RDMO Schlumberger electric line truck. Close BOP blinds. SDFN. Will shoot 6 squeeze holes @ 8800' in the AM & set CICR @ 8600' to re-squeeze.
- 08/10/05 Open BOP blinds. RU JSI electric line truck. Install pressure control pick off w/ flange on top of BOP. RIH w/ CCL/gun to perforate 6 squeeze holes from 8800'- 8801.5'. Correlate on depth w/ Schlumberger open hole log. POOH & LD shot gun. PU & RIH w/ Baker CICR & wireline set @ 8600'. RDMO JSI truck. PU & RIH w/ Baker stinger, 269 jts- 2 7/8" J-55 6.5# EUE 8rd tbq. Tag top of CICR. PU (1) 2 7/8" x 6' J-55 tbq sub to space out top of tbq @ floor. Sting into CICR. Had Lucky reverse pump try pumping into perfed squeeze holes. Pumped in @ 2 bpm @ 1500# tbq psi. Unstung from CICR. Had reverse unit pump 60 Bbls fresh wtr dn tbq. Sting back into CICR. Pressure test csg to 1000#. Held O.K. Pulled up on retainer to close valve to test tbq. Tested tbq to 2000#. Held O.K. Opened valve in retainer & started pumping into perfed holes getting an injection rate of 2 1/2 bpm @ 1600# tbq psi. Had BJ pump truck bring 1500 gals 20% HCL acid w/ additives to location & pump dn tbq through retainer followed by 130 Bbls fresh wtr to displace acid @ 5 bpm @ 2600#. The acid did not work on any obstructions. Never broke back. RDMO BJ truck. Will POOH w/ tbq in the AM & shoot 6 more squeeze holes @ 9200' & set another retainer @ 8700' to get better injection rate.
- 08/11/05 Blow dn csg pressure to reverse pit. Open BOP rams. POOH w/ 269 jts- 2 7/8" J-55 6.5# EUE 8rd tbq, Baker CICR stinger. LD stinger. PU & RIH w/ new 6 1/8" drill bit, 4 3/4" downhole drilling motor, (1) 4 3/4" drill collar, x-over sub, 253 jts- 2 7/8" J-55 tbq. Tag top of CICR @ 8600'. Had Lucky reverse unit PU swivel & start pumping fresh wtr @ 5 bpm rate dn tbq to get bit spinning 6' above CICR. Took 2 hrs to DO retainer. RD swivel. Continue RIH w/ 54 jts- 2 7/8" J-55 tbq @ tag up @ 9723'. PU swivel & start DO what's left of the retainer that fell to btm. DO for 2 hrs and made no hole. RD swivel & start POOH w/ 2 7/8" J-55 tbq. POOH w/ 307 jts- 2 7/8" J-55 tbq. LD (1) 4 3/4" DC & 4 3/4" drilling motor w/ 6 1/8" bit. RIH w/ 1 jt- 2 7/8" J-55 tbq to close BOP rams. Put TIW valve in tbq. SDFN. Will have JSI shoot 6 squeeze holes & set another CICR in the AM.
- 08/12/05 Well had no pressure on csg. Open BOP rams. POOH w/ 1 jt- 2 7/8" J-55 tbq. RU JSI electric line truck. Install pressure control pick off w/ flange on top of BOP. RIH w/ CCL/gun to perforate 6 squeeze holes from 9210'- 9211.5'. Correlate on depth w/ Schlumberger open hole log. POOH & LD shot gun. PU & RIH w/ Baker CICR & wireline set @ 8700'. RDMO JSI truck. PU & RIH w/ Baker stinger, 274 jts- 2 7/8" J-55 6.5# EUE 8rd tbq Tag top of CICR. PU (2) 2 7/8" x 6' J-55 tbq subs to space out top of tbq @ floor. Sting into CICR to make sure we could sting into it. Unsting from retainer. Had reverse unit pump 50 Bbls fresh wtr dn tbq. Sting back into retainer. Pressure test csg to 1000#. Held O.K. Pulled up on retainer to close valve to test tbq. Tested tbq to 2000#. Held O.K. Open valve in retainer & started pumping into perfed squeezed holes getting an injection rate of 4 bpm @ 1750# tbq psi. Unsting from CICR. Close BOP rams. Put TIW valve in tbq. SDFW. Will decide over the weekend to squeeze or not & how much of what kind of cmt to mix.

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- 08/15/05 Well had no pressure on csg. Open BOP rams. POOH w/ 275 jts- 2 7/8" J-55 6.5# EUE 8rd tbg, Baker CICR stinger. LD stinger. PU & RIH w/ new 6 1/8" drill bit, 4 3/4" downhole drilling motor, (1) 4 3/4" drill collar, x-over sub, 257 jts- 2 7/8" J-55 tbg. Tag top of CICR @ 8700'. Had Lucky reverse unit PU swivel & start pumping fresh wtr @ 5 bpm rate dn tbg to get bit spinning 6' above CICR. Took 1 hr- 45 minutes to DO retainer. RD swivel. Continued to RIH w/ 51 jts- 2 7/8" J-55 tbg & tag up @ 9724'. POOH w/ 308 jts- 2 7/8" J-55 tbg. LD (1) 4 3/4" DC & 4 3/4" drilling motor w/ 6 1/8" bit. RIH w/ 1 jt- 2 7/8" J-55 tbg to close BOP rams. Put TIW valve in tbg. SDFN. Will have JSI shoot 6 squeeze holes & set another CICR in the AM.
- 08/16/05 Remove TIW valve from tbg. Open BOP rams. POOH w/ 1 jt- 2 7/8" J-55 6.5# EUE 8rd tbg. RU JSI electric line line truck. Install pressure control pack off w/ flange on top of BOP. RIH w/ CCL/gun to perforate 6 squeeze holes from 9470'- 9471.5'. Correlate on depth w/ Schlumberger open hole log. POOH & LD shot gun. Change out BOP rams & install blinds. Had Lucky reverse unit pump 500 Bbls fresh wtr/ soap dn csg @ 6 bpm to get injection rate into squeeze holes. Pumped all 500 Bbls never catching pressure. PU & RIH w/ Baker CICR & wireline set @ 8680'. RDMO JSI truck. PU & RIH w/ Baker stinger, 272 jts- 2 7/8" J-55 tbg. Tag top of CICR. PU (5) 2 7/8" x 6' x 6' x 6' x 4' x 2' tbg subs to space out top of tbg @ floor. Sting into retainer. Had Lucky reverse unit pump fresh wtr/ soap dn csg to load backside. Close BOP blinds. Pressure test CICR to 1000#. Held O.K. Lucky reverse unit pumped 85 Bbls fresh wtr dn tbg into squeeze holes @ 6 bpm. Pressure climbed from 0# to 400#. Kept rate @ 6 bpm. Pressure dropped off to 200# after pumping 100 Bbls total @ 6 bpm. Pressure climbed & stabilized @ 300# @ 6 bpm pumping 130 Bbls into squeeze holes. Pull up on retainer to close valve to test tbg. Tested tbg to 2000#. Held O.K. Open valve in retainer & kept stung into it. Put TIW valve on tbg w/ gauge. Change out BOP blinds & install rams. Close BOP rams. SI csg. Will SD tomorrow & wait for BJ to cmt squeeze Thursday AM.
- 08/18/05 MIRU BJ services to squeeze perms. Held tailgate safety meeting, Pressured backside to 500#. Tested lines to 6000#. Established rate 4 bbls a min. @ 210 #. Mixed cement and started downhole @ 4 bbls a min @ 150#. Started displacement, pumped 121 bbls of water @ 2.5 bbls a min @ 800#. Hit pressure @ 2000# pumped 131 bbls @ 2 bbls a min. Shut down pressure was 900#. Reverse out 12 bbls of cement @ 2.5 bbls a min @ 2000#. POOH w/ tubing, installed TIW valve shut BOPE and shut down to Monday.
- 08/19/05 Well shut in. Mesa pulling unit crew on standby time. Waiting on cement to dry. Will DO cmt squeeze Monday morning.
- 08/22/05 Open BOP rams. POOH & LD 1 jt- 2 7/8" J-55 tbg that was in BOP. PU & RIH w/ new 6 1/8" drill bit, 4 3/4" downhole drilling motor, (1) 4 3/4" drill collar, x-over sub, 256 jts- 2 7/8" J-55 tbg. Tag TOC @ 8677'. Had Lucky reverse unit PU swivel & start pumping fresh wtr @ 5 bpm rate dn tbg to get bit spinning 6' above cement. Had 3' of cement to DO. Tag top of CICR @ 8680'. Drilled on CICR for 10 hrs. Did not get retainer drilled out all the way due to retainer spinning on cement below & not able to cut with bit very well. Close BOP rams. SI well. SDFN. Will finish DO retainer in the AM.
- 08/23/05 Open BOP rams. Had Lucky reverse unit start pumping fresh wtr dn tbg @ 5 bpm to start bit spinning. Started DO what was left of the bottom of CICR. Took 3 hrs to get through it. Started drilling cement. DO 45' cement below retainer to 8731'. Needed to trip the bit. Circulated btms up for 1 1/2 hrs. RD swivel & pack off. POOH w/ 278 jts- 2 7/8" J-55 tbg, x-over sub, (1) 4 3/4" drill collar, 4 3/4" downhole drilling motor, 6 1/8" drill bit. LD wore bit. Hooked up hose to drilling motor & pumped through it on surface to make sure motor still working O.K. RIH w/ new 6 1/8" drill bit, 4 3/4" down hole drilling motor, (1) 4 3/4" drill collar, x-over sub, 278 jts- 2 7/8" J-55 tbg. Tag TOC @ 8731'. POOH & LD 24 jts- 2 7/8" J-55 tbg (to drill with). RIH w/ 24 jts- 2 7/8" J-55 tbg to get back above cement. Close BOP rams. Put TIW valve in tbg. SDFN. Will finish DO cement in the AM.
- 08/24/05 Open BOP rams. PU swivel. Had Lucky reverse unit start pumping fresh wtr @ 5 bpm rate dn tbg to get bit 6' above cement. DO cmt from 8731'- 9313'. Took all night to drill out cement @ 45 minute avg jts. Continued to DO to next morning.

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- 08/25/05 Continue to DO cement from 9313'- 9694'. RIH w/ bit to PBTD @ 9709'. Tried to DO deeper, but kept torquing up bit. PU off btm 3'. Had Lucky reverse pump circulate hole clean w/ 370 Bbls fresh wtr/ soap & displace dirty fluid in frac tank. Tested csg to 500#. Held O.K. POOH w/ 307 jts- 2 7/8" J-55 6.5# EUE 8rd tbg, x-over sub, (1) 4 3/4" drill collar, 4 3/4" downhole drilling motor and 6 1/8" drill bit. RU Schlumberger to RIH w/ USIT & run repeat pass from 9652' (WL T.D. depth) up to 9000'. POOH & move centralizers on tool. RIH to btm. Tried to pressure up on csg for main pass run, but ring gasket between top of BOP & flange was leaking w/ bolts very tight. POOH w/ USIT & change ring gasket. RIH to btm. Pressure up csg to 500# & held. Started logging main pass w/ 500# csg psi. Logged from 9652'- 7700'. Bled csg pressure dn. POOH w/ USIT. Close BOP blinds. SDFN.
- 08/26/05 Open BOP blinds. RIH w/ used 6 1/8" drill bit, 7" csg scraper, (1) 4 3/4" drill collar, 307 jts- 2 7/8" P110 7.9# PH6 tbg. Tried turning tbg w/ tongs through deviation and was successful. Continue to RIH w/ 2 7/8" PH6 tbg to tag PBTD @ 9653'. PU off btm 3'. RU BJ Services pump truck to pickle tbg / 200 gals xylene followed by 800 gals 15% HCL acid dn tbg. Pumped 35 Bbls fresh wtr behind acid to get acid to btm of tbg. SD. Reverse hoses & pump 100 Bbls dn csg & flush acid back up tbg to frac tank. SD. RDMO BJ Service trucks. POOH w/ 311 jts- 2 7/8" PH6 tbg, (1) 4 3/4" drill collar, 7" csg scraper & 6 1/8" drill bit. Close BOP blinds. SDFW. Will have JSI perforate Monday AM.
- 08/29/05 Open BOP blinds. RU JSI electric line truck. Install pressure control pick off on top of BOP. RIH w/ CCL & 4" x 20' slick gun. Correlate on depth w/ Schlumberger open hole log. Perforate from 9490'- 9510'. POOH w/ shot gun & CCL. IFL @ 650' FS. Found FL @ 700' FS when POOH. RIH w/ CCL & 4" x 12' slick gun. Correlate on depth w/ open hole log. Perforate from 9478'- 9490'. POOH w/ shot gun. FL still @ 700' FS. RDMO JSI electric line truck. PU & RIH w/ CCL & Baker PPI pkr w/ 11' spacing w/ plug in btm pkr, 303 jts- 2 7/8" P110 7.9# PH6 tbg. Set pkr. Test pkr in blank pipe above perfs. Tested to 1000#. Held O.K. Release PPI pkr. Tried to correlate on depth w/ CCL, but could not find collars w/ CCL. Continue to RIH w/ 2 7/8" PH6 tbg to PBTD @ 9653'. POOH w/ 5 jts- 2 7/8" PH6 tbg to above perfs again. Set pkr & tested once again. Held O.K. Released pkr. POOH w/ 4 jts- 2 7/8" PH6 tbg. Close BOP rams. Put TIW valve in tbg. SDFN. Will RU BJ trucks to pump PPI acid job in the AM.
- 08/30/05 Open BOP rams. RIH w/ 4 jts- 2 7/8" P110 7.9# PH6 tbg. PU 6' and set PPI pkr on first setting @ 9510'- 9499'. RU BJ Services pump truck. Hook up PPI hose to Baker swivel on top of tbg. Test lines to 7200#. Open bypass on pkr & start pumping acid. Pump 53 Bbls 20% HCL acid @ 2 bpm rate dn tbg then slow rate dn to close bypass & start pumping into perfs. Switched to flush (fresh wtr / soap) & pumped 49 Bbls to displace acid in tbg. SD. Move pkr to second setting @ 9499'- 9488'. Start pumping acid. Pump 53 Bbls 20% HCL acid @ 6 bpm rate then went to flush pumping 49 Bbls to displace acid. SD. Move to third setting @ 9478'- 9488'. Start pumping acid. Pump 53 Bbls acid @ 6 bpm then flushed w/ 49 Bbls fresh wtr/ soap. SD. The first set did not break back. Pressure started @ 1459# and climbed to 4189# before shutting dn. The second set broke back a little bit, but started climbing pressure again. Pressure started @ 3194# broke back to 2632# then back up to 3785# before shutting dn. The third set only had friction pressure pumping through the PPI hose. Pressure climbed to 2799# before shutting dn. RDMO BJ pump trucks. LD Baker swivel. POOH & LD 303 jts- 2 7/8" P110 7.9# PH6 tbg, 2 7/8" API SSN, Baker PPI pkr w/ CCL. ND BOP. NU Seaboard wellhead flange. ND BOP w/ flange adapter. SDFN. Will RIH w/ ESP TD1750 sub pump in the AM. Perfs @ 9478'- 9510'. PBTD @ 9653' (TOF).
- 08/31/05 Had Lucky reverse pump kill backside pressure & keep dead w/ fresh wtr/ soap. Open BOP blind. RIH w/ 5 1/2" 45' posi-seal shroud. PU & RIH w/ SmartGuard V PSI Sensor, (1) new 150 hp motor, (2) new Seals, (4) new ESP TD1750 pumps, 2 7/8" API SSN, 2 7/8" x 6' J-55 tbg sub. RU ESP spoolers to spool in cable & 3/8" nylon capillary tbg used for chemical injection @ pump intake. Start banding cap tbg @ tbg sub. RIH w/ 301 jts- 2 7/8" J-55 6.5# EUE 8rd tbg. Make lower pigtail splice for Seaboard wellhead. Also made upper pigtail splice. ND BOP & NU WH. RD ESP spoolers. Had Chalk roustabout gang build wellhead & tie into flowline. Start sub pump @ 6:50 PM. Pumped up in 20 minutes. Initial BHP @ 1188#. Will RDMO Mesa pulling unit in the AM. Perfs @ 9478'- 9510'. PBTD @ 9653' (TOF).
- 09/01/05 Well pumping O.K. RDMO Mesa pulling unit. Release all equipment. Clean location. Well making 100% water w/ unmeasureable gas.

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| DATE | OIL | WTR | GAS | BHP | DATE | OIL | WTR | GAS | BHP |
|------------|-----|------|-----|------|------------|-----|------|-----|------|
| 09/07/2005 | | 2451 | 50 | | 10/23/2005 | | 2520 | 40 | 846 |
| 09/08/2005 | | 1769 | 329 | | 10/24/2005 | | 2494 | 40 | 989 |
| 09/09/2005 | | 2060 | 48 | | 10/25/2005 | | 2163 | 45 | 879 |
| 09/10/2005 | | 2162 | 49 | | 10/26/2005 | | 2484 | 40 | 872 |
| 09/11/2005 | | 2063 | 49 | | 10/27/2005 | | 2510 | 47 | 871 |
| 09/12/2005 | | 2591 | 33 | | 10/28/2005 | | 2731 | 41 | 872 |
| 09/13/2005 | | | | | 10/29/2005 | | 2286 | 43 | 939 |
| 09/14/2005 | | 1819 | 25 | | 10/30/2005 | | 2688 | 39 | 858 |
| 09/15/2005 | | 1988 | 35 | | 10/31/2005 | | 2502 | 48 | 859 |
| 09/16/2005 | | 2353 | 32 | | 11/01/2005 | | 1891 | 48 | 863 |
| 09/17/2005 | | 2391 | 48 | | 11/02/2005 | | 2637 | 46 | 847 |
| 09/18/2005 | | 2183 | 32 | | 11/03/2005 | | 2496 | 37 | 846 |
| 09/19/2005 | | 2818 | 39 | | 11/04/2005 | | 2390 | 43 | 840 |
| 09/20/2005 | | 2554 | 33 | | 11/05/2005 | | 2831 | 38 | 839 |
| 09/21/2005 | | 3025 | 41 | | 11/06/2005 | | 2691 | 38 | 35 |
| 09/22/2005 | | 1944 | 41 | | 11/07/2005 | | 2188 | 28 | 1022 |
| 09/23/2005 | | 405 | 9 | | 11/08/2005 | | 2256 | 12 | 840 |
| 09/24/2005 | | 757 | 9 | | 11/09/2005 | | 2552 | 12 | 831 |
| 09/25/2005 | | 1894 | | | 11/10/2005 | | 2345 | | 828 |
| 09/26/2005 | | 3533 | 41 | | 11/11/2005 | | 2994 | 31 | 829 |
| 09/27/2005 | | 2301 | 40 | | 11/12/2005 | | 2360 | 35 | 830 |
| 09/28/2005 | | 2698 | 38 | | 11/13/2005 | | 2441 | 34 | 826 |
| 09/29/2005 | | 2617 | 32 | | 11/14/2005 | | 3168 | 44 | 826 |
| 09/30/2005 | | 2554 | 40 | | 11/15/2005 | | 2736 | 40 | 825 |
| 10/01/2005 | | 2578 | 49 | 853 | 11/16/2005 | | 2793 | 44 | 825 |
| 10/02/2005 | | 2754 | 48 | 859 | 11/17/2005 | | 2244 | 39 | 825 |
| 10/03/2005 | | 2988 | 48 | 851 | 11/18/2005 | | 2195 | 37 | 824 |
| 10/04/2005 | | 2721 | 48 | 848 | 11/19/2005 | | 1471 | 31 | 823 |
| 10/05/2005 | | 2758 | 47 | 1049 | 11/20/2005 | | 2324 | 31 | 828 |
| 10/06/2005 | | 2440 | 31 | 948 | 11/21/2005 | | 2438 | 34 | 820 |
| 10/07/2005 | | 2880 | 34 | 952 | 11/22/2005 | | 2123 | 54 | 818 |
| 10/08/2005 | | 2926 | 40 | | 11/23/2005 | | 2356 | 34 | 816 |
| 10/09/2005 | | 2597 | 49 | 851 | 11/24/2005 | | 2859 | 40 | 816 |
| 10/10/2005 | | 2623 | 40 | 846 | 11/25/2005 | | 2686 | 40 | 815 |
| 10/11/2005 | | 2867 | 41 | 845 | 11/26/2005 | | 2641 | 40 | 815 |
| 10/12/2005 | | 2734 | 40 | 841 | 11/27/2005 | | 2814 | 43 | 815 |
| 10/13/2005 | | 2193 | 32 | 842 | 11/28/2005 | | 2995 | 40 | 815 |
| 10/14/2005 | | 2814 | 35 | 841 | 11/29/2005 | | 2475 | 30 | 813 |
| 10/15/2005 | | 3046 | 41 | 841 | 11/30/2005 | | | | |
| 10/16/2005 | | 2549 | 41 | 837 | 12/01/2005 | | 1800 | | 807 |
| 10/17/2005 | | 2304 | 41 | 844 | 12/02/2005 | | 2241 | 123 | 823 |
| 10/18/2005 | | 2486 | 41 | 840 | 12/03/2005 | | 2698 | 36 | 823 |
| 10/19/2005 | | 2863 | 40 | 841 | 12/04/2005 | | 2494 | 30 | 809 |
| 10/20/2005 | | 2568 | 38 | 841 | 12/05/2005 | | 2769 | 36 | 809 |
| 10/21/2005 | | 1895 | 32 | 842 | 12/06/2005 | | 2533 | 31 | 808 |
| 10/22/2005 | | 2571 | 40 | 841 | 12/07/2005 | | 2500 | 36 | 823 |

Mc Kittrick 18 Federal #1

- 12/11/05 MOVE IN & SET FRAC TANK & MATTING BOARD, MOVE IN & RIG UP REVERSE UNIT & PULLING UNIT. LOCK OUT POWER, PREPARE TO POOH W/ ESP ON MONDAY 12-12-05.
- 12/13/05 ARRIVE ON LOCATION, HELD 5 MINUTE SAFETY MEETING, DISCUSSED KILLING WELL, REVERSE UNIT BROKEN DURING MOVE, WO PUMP 3hrs, RIG UP REVERSE PUMP & KILL WELL, NIPPLE DOWN WELL HEAD & NIPPLE UP & TEST BOP/ TORUS, OK, LIFT OFF OF TBG FLANGE @ 120K, RIG UP CT SPOOLERS & CT SPOOLERS THEN PULL OUT OF HOLE W/ 301 JOINTS OF 2 7/8" J-55 TUBING & REDA RENTAL SUBMERSIBLE PUMP, DISASSEMBLE ESP & SENT IN. RIG DN SPOOLERS, CLOSE WELL IN & SHUT DOWN. NOTE: REDA POWER CABLE IN GOOD CONDITION AS WELL AS ENTIRE SUBMERSIBLE PUMP ALTHOUGH MOTORS APPEARED TO HAVE BEEN RUNNING HOT, (probably due to higher gas volumes), ALSO 3/8" CT APPEARS TO BE DAMAGED BEYOND REPAIR. NOTE #2: three hours down time waiting on reverse pump. Original pump was damaged during transport to location. STOPPED RENTAL ON WOODGROUP SUB PUMP. PREPARE TO TIH W/ RBP & SET ABOVE PERFS, LD TBG & SET 2nd RBP @ 500' (T & A WELL WHILE DRILLING).
- 12/14/05 ARRIVE ON LOCATION, HELD 5 MINUTE SAFETY MEETING, DISCUSSED PPE & PINCH POINTS, KILL WELL, PICK UP 7" RBP & START IN HOLE, RAN 71 STANDS WHEN STRONG GUSTY WINDS HIT, WAIT FOR WINDS TO QUIT W/ NO LUCK SHUT IN BOP & TBG SAFETY VALVE, (set Two State pipe racks) PREPARE TO FINISH SETTING RBP's, CIRCULATE HOLE W/ PKR FLUID & LD TBG.
- 12/15/05 ARRIVE ON LOCATION, HELD FIVE MINUTE SAFETY MEETING, DISCUSSED KILLING WELL, KILL WELL THEN FINISH TRIPPING IN HOLE W/ RBP, RAN 297 JOINTS OF 2 7/8" J-55 TUBING SET RBP @ 9359' (had very hard time getting tools to set in deviated hole) THEN CIRCULATE GAS BUBBLE UP W/ 370 BARRELS OF PKR FLUID, TEST RBP (OK). PULL OUT OF HOLE W/ 8 STANDS or 495' OF TUBING LAID DOWN THE REST OF THE J-55 TUBING ON RACKS, THEN PICK UP 2nd RBP & TRIP BACK IN TO 500' & SET RBP, LAID DOWN THE REST OF THE TUBING,SDON. TA WELL PREP TO NIPPLE DN, RIG DN & MOVE OFF.
- 12/16/05 ARRIVE ON LOCATION, HELD SAFETY MEETING, DISCUSSED RIGGING DOWN THEN NIPPLE DOWN BOP, BOLT ON TUBING HANGER FLANGE TO SECURE WELL, RIG DOWN WELL SERVICE RIG & REVERSE UNIT, LOAD & HAUL 301 JOINTS OF 2 7/8" J-55 TUBING TO TWO STATES YARD, MOVE OFF WELL. NO FURTHER REPORTS , WELL IS TEMPORARILY ABANDONED, PENDING THE DRILLING OF THE MCKITTRICK 24 FEDERAL #3.
- 02/28/06 move in matting boards & pipe racks, spot & rig up, nu bop, miru key reverse unit, unload, rack & tally 2 7/8" tbg.,sisd
- 03/01/06 hold safety meeting,rih w/on/off tool & 15 jts. 2 7/8" tbg.,latch onto rbp,release & pooh w/tbg. & rbp,rih w/on/off tool & 305 jts. 2 7/8" tbg. latch onto rbp @ 9376'& release,pooh w/220 jts. tbg.,sisd!
- 03/02/06 hold safety meeting,slight blow on csg.,pump 1 bpm while finish pooh w/tbg. & rbp,nu taurus,weld new shroud together, assemble esp pump,ru spoolers & rih w/shrouded pump & 244 jts. 2 7/8" tbg. to 7500',sisd!
- 03/03/06 hold safety meeting,0# sip,finish rih w/pump & tbg.,tagged up @ 9577'(could not get any deeper,do not believe it to be fill, thinking the longer shroud to be to stiff to go through dog leg)lay down 1 jt.,add 20' of pup jts.,make top splice,tie in cap. tbg.,land tbg.,nd bop,nu wh,tie in chem. pump,start pumping chem down csg.,bottom of shroud @ 9566.23',top of shroud @ 9491.23',sn @ 9408'306 total jts. 2 7/8" L-80 tbg., 2-2 7/8" x 10' L-80 pup jts.,(perfs. 9478'-9510')rig unit down,clean loc.

McKittrick 18 Federal #1

| DATE | OIL | WTR | GAS | BHP | MT | AMP | TBG | CSG |
|-------------|------------|------------|------------|------------|-----------|------------|------------|------------|
| 03/04/2006 | | 3661 | | 670 | 256 | 76 | 360 | 320 |
| 03/05/2006 | | 4573 | 43 | 652 | 251 | 76 | 350 | 320 |
| 03/06/2006 | | 4301 | 41 | 638 | 250 | 76 | 350 | 320 |
| 03/07/2006 | | 3820 | 32 | | | 79 | 340 | 260 |
| 03/08/2006 | | 4675 | 48 | | | 80 | 350 | 320 |
| 03/09/2006 | | 4333 | 63 | | | 80 | 360 | 320 |
| 03/10/2006 | | 4412 | 64 | | | 80 | 370 | 310 |
| 03/11/2006 | | 4431 | 71 | | | 80 | 380 | 260 |
| 03/12/2006 | | 4418 | 80 | | | 80 | 360 | 260 |
| 03/13/2006 | | 4397 | 70 | | | 79 | 380 | 260 |
| 03/14/2006 | | 4379 | 80 | | | 79 | 370 | 260 |
| 03/15/2006 | | 3518 | 89 | | | 79 | 360 | 250 |
| 03/16/2006 | | 4342 | 108 | | | 77 | 360 | 260 |
| 03/17/2006 | | 4457 | 108 | | | 79 | 380 | 260 |
| 03/18/2006 | | 4214 | 115 | | | 78 | 400 | 260 |
| 03/19/2006 | | 4446 | 118 | | | 76 | 400 | 260 |
| 03/20/2006 | | 4348 | 115 | | | 79 | 370 | 250 |
| 03/21/2006 | | 4380 | 115 | | | 79 | 380 | 250 |
| 03/22/2006 | | 4503 | 121 | | | 79 | 380 | 260 |
| 03/23/2006 | | 4194 | 121 | | | 79 | 380 | 280 |
| 03/24/2006 | | 4421 | 131 | | | 78 | 380 | 270 |
| 03/25/2006 | | 4442 | 134 | | | 78 | 380 | 260 |
| 03/26/2006 | | 4208 | 133 | | | 78 | 380 | 250 |
| 03/27/2006 | | 4324 | 140 | | | 78 | 380 | 250 |
| 03/28/2006 | | 4482 | 145 | | | 78 | 370 | 240 |
| 03/29/2006 | | 4375 | 145 | | | 78 | 380 | 260 |
| 03/30/2006 | | 4394 | 155 | | | 78 | 375 | 240 |