

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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.**

APR 2 2015

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.  
I149IND8463
6. If Indian, Allottee or Tribe Name  
EASTERN NAVAJO
7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
BLANCO 1A
9. API Well No.  
30-045-30204-00-C1
10. Field and Pool, or Exploratory  
BLANCO MESAVERDE  
OTERO CHACRA
11. County or Parish, and State  
SAN JUAN COUNTY, NM

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
FOUR STAR OIL GAS COMPANY

Contact: APRIL POHL

- 3a. Address  
332 ROAD 3100  
AZTEC, NM 87410

- 3b. Phone No. (include area code)  
Ph: 505.333.1941

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 1 T27N R9W SWSE 700FSL 1900FEL

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

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent  | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input checked="" type="checkbox"/> Recomplete     | <input type="checkbox"/> Other          |
|   | <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 recompleate 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 recompleation 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 site is ready for final inspection.)

DHC 4686 HAS BEEN COMPLETED. PLEASE SEE ATTACHED.

THE WELL IS CURRENTLY SHUT IN, SCHEDULED TO PUT BACK INTO PRODUCTION 3/3/2015. A SUBSEQUENT 3160-5 FOR ALLOCATION PERCENTAGES WILL BE FILED WITHIN 60-90 DAYS.

OIL CONS. DIV DIST. 3

APR 01 2015

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

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

Electronic Submission #293505 verified by the BLM Well Information System  
For FOUR STAR OIL GAS COMPANY, sent to the Farmington  
Committed to AFMSS for processing by TROY SALYERS on 03/30/2015 (15TS0030SE)

Name (Printed/Typed) JIM MICIKAS

Title PRODUTCTION ENGINEER

Signature (Electronic Submission)

Date 03/02/2015

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**TROY SALYERS  
Title PETROLEUM ENGINEER

Date 03/30/2015

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 Farmington

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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMOC D ✓

9

12/11/2014

MIRU

12/12/2014

SITP - 60#'s, SICP - 120#'s. Bleed down head gas off csg. Pump tbg & csg w/ 5 bbl's 2% KCL each, well on slight vac Set BPV in tbg hanger. ND 2 1/16" X 7 1/16" WH. NU 7 1/16" 3K BOPE. Note: 2 3/8" rams installed prior.

Install 2 3/8" pup jt in hanger, test BOP & breaks @ 250 low & 2400#'s high, good test.

Unseat hanger, pull & LD same. POOH w/ prod tbg assem, 139 total Jt's, "X" nipple w/ bumper spring, 2 3/8" pup Jt & WL guide. Tbg & equip looked good, no corrosion.

PU & RIH w/ 4 3/4" bit & csg scraper on prod tbg to 2940', below proposed CBP setting depth of 2850', OK.

POOH LD 2 3/8" prod tbg & bit/scraper.

Change pipe rams fr/ 2 3/8" - 2 7/8". Install test hanger. Test BOP & breaks @ 250 low & 2400#'s high, good test. Pull test hanger. SDFN.

12/13/2014

SICP - 60#'s. RU pump & lines. Check SISCP - 0.

Spot in & RU Halliburton WL unit. NU 7 1/16" flange to bowen conn. PU lubricator. Prep to RIH w/ 5 1/2" CBP.

RIH w/ Halliburton 8K CBP. Correlate to Schlumberger CBL/GR/CCL dtd 27 Mar 2008.

Set CBP @ 2851', OK good set. POOH, pull WL tools into lubricator

Finish fill csg w/ 2% KCL. Test WL lubricator & csg @ 1,000#'s, good. RD WL lube. Test csg & CBP @ 2,600#'s for 10 min, good test. Bleed off test PSI

Change out both 2" threaded tbg head valves. Install 2" VRP nipples & 2" 5K threaded gate valves. SDFN

12/14/2014

SICP - 0#'s. RU pump & lines. Check SISCP - 0.

Re-test 5 1/2" prod csg & tbg head valves changed out PM yesterday, @ 2500#'s, 5 min test 0 psi lost

RU Halliburton WL unit, NU lubricator. RIH w/ Radial CBL/GR/CCL tools. Run log fr/ 2851' to surf, OK. Log indicates no cmt behind the prod csg fr/2300' to 1250'.

Contact workover engineer w/ CBL results, discuss options. Contact NMOCD via voice mail & email. SDFN.

12/15/

SIWP - 0. RU Halliburton WL unit & lubricator.

Having issues w/ squeeze gun configuration, improvise. No safety issues.

RIH w/ 3 1/8" 6 spf squeeze gun, correlate to CBL ran yesterday. Perf squeeze holes @ 2200'. POOH. No shots fired, gun shorted out. Discuss options

RD Halliburton WL unit & WL BOP. PU & RIH w/ 2 7/8" WS to 2130'. POOH w/ WS. SDFN

12/16/2014

SIWP - 0. RU Halliburton WL unit & lubricator.

RIH w/ 3 1/8" 6 spf squeeze guns. Correlate to HES RCBL dtd 12/14/2014. Perf 6 holes @ 2200 - 01, well on slight vac. Pull up & perf 2nd set @ 1290 - 91', no change in well noted. POOH. All shots fired. RD HES WL unit & WL BOP.

PU HES's 5 1/2" Composite Cmt Retainer. RIH to 2149'. Circ tbg vol w/ 2% & set CCR @ 2149', good set.

POOH w/ & LD CR setting tool. PU & RIH w/ CR stinger w/ star guide. Space out & engage Composite Retainer.

Use rig pump & attempt to circ 5 1/2" annulus w/ 40 bbls 2%, pumping 3.5 BPM @ 1200#'s into squeeze perfs @ 2200', no circ obtained. Attempt to circ reverse, thru squeeze holes @ 1290', 2.5 BPM @ 1500#'s, no circ obtained.

Contact engineers & advisors.

RU HES cmt. Mix & pump 200 sks G cmt blended w/ Had fluid loss @ 15.3 ppg, 1.24 yields, 44 total bbls slurry. Displace w/ 10.5 bbl water. Pump cmt @ 1.6 BPM & 200#'s avg. Wash up pump. Displace cmt w/ 1 bbl water & sting out of retainer w/ 672#'s on squeeze. Pull up 10' & reverse out, recovered 2 bbl cmt slurry. RD HES cmt equip. POOH w/ WS & stinger. SDFN.

12/17/2014

SIWP - 0. RU Halliburton WL unit BOP & lubricator

Wait on WL tools. Assemble & calibrate CBL

RIH w/ CBL. Run CBL/GR/CCL from 2140' to surf, log indicates that cmt job yesterday increased/raised cmt top to 1900'.

Contact workover engineer & drilling superintendent. Contact NMOCD.

RIH w/ 3 1/8" 6 spf squeeze gun. Correlate & perf squeeze holes @ 1900'. POOH all shots fired, no change in well noted.

RD HES WL. SDFN.

12/18/2014

SIWP - 0. open well up. PU & RIH w/ Halliburton 8K Composite Cmt Retainer to 1880' (squeeze holes @ 1900'). Set CCR, OK.

POOH w/ & LD mech setting tool.

PU & RIH w/ CCR stinger w/ star guide. Space out tbg & engage CCR @ 1880'

Use rig pump & attempt to circ 5 1/2" annulus w/ fresh water. Broke down @ 2,000#'s, pump 3 BPM @ 1800#'s w/ no circ obtained. Pump 40 bbl's total, ISDP: 1,000#'s/l. Contact Workover Engineer, discuss options.

Wait on HES cmt equip. Spot in & RU HES Cmt equip & lines. SDFN.

SITP - 0 & SICP - 0. RU HES Cementers. Pressure test pump & lines @ 3,000#'s, good. Check inj rate w/ 5 bbl's fresh water thru CCR @ 1880', 2 BPM @ 1800#'s. Mix & pump 300 sks G cmt w/ adds, 66 total bbls slurry @ 15.3 ppg. Displace w/ 5.5 bbl's fresh. Start hesitation squeeze w/ 5.3 bbl's cmt still in tbg. 30 min wait, pump 1 bbl', 30 min wait pump 1 bbl', starting to pressure up, pump to 1/2 bbl fr/ EOT, sting out of retainer w/ 960#'s on squeeze.

Reverse out w/ 25 bbl's fresh water, 1/2 bbl cmt slurry returned. RD HES Cmt.

POOH w/ & LD retainer stinger. SDFH

1/5/2015

SIWP - 0, verify all valves, annular & rams operational & ice free.

1/6/2015

SIWP - 0. Install test hanger in tbg head, spot in & RU WSI test unit. Full test BOPE, Kelly & TIW valves @ 250 low & 2400#'s high. All test good. RD WSI.

RU FMC BOP & lubricator. RIH w/ CBL-GR-CCL tools. Tag 10' cmt on top of CCR set @ 1880'. Run log fr/ 1860' to surf, log indicates no gain in cmt top, Note: pump 300 sks cmt into squeeze perfs @ 1900' on 12/19/2014.

Contact & discuss options w/ engineers & advisor.

PU & RIH w/ 3 1/8" 6 -SPF csg squeeze gun. Correlate & perf csg @ 1860'. POOH, all shots fired. SIWP - 80#'s. SDFN.

1/7/2015

SIWP - 80#'s. RU pump & lines, open & bleed down well, straight water. PU Halco 5 1/2" tension pkr, RIH on 2 7/8" WS to 1320'.

Set pkr @ 1320'. RU & attempt to circ squeeze holes @ 1860' to 1290' w/ rig pump, no circ obtained: Pump 20 bbl's fresh water, 1.7 BPM @ 1700#'s avg, ISDP - 1400#'s & 5 min SITP - 1200#'s. Attempt to reverse circ squeeze holes 1290' to 1860': Pump 20 bbl's fresh water, 3.2 BPM @ 900#'s avg. ISDP - 770#'s, 5 min SICP - 330#'s, no circ obtained.

Note: All indications are that the top squeeze holes @ 1290' are open & flowing, IE 80# SICP this AM.

Release & POOH w/ pkr.

PU & RIH w/ 5 1/2" Composite Cement Retainer on WS. Set CCR @ 1850', good set. POOH w/ mechanical setting tool.

PU & RIH w/ CCR stinger w/ star guide. Space out & engage CCR @ 1850'.

Establish inj rate: 1.7 BPM @ 1700#, pump 10 bbl's superflush, 7 bbl fresh water spacer, 22 bbl cmt slurry @ 15.3 ppg w/ .25% Halad 344 & .1% Calcium Chloride, displace w/ 10 bbls fresh water.

Sting out of CCR. Reverse circ clean, ~2 bbl cmt slurry returned to surf.

Note: No circ obtained during cmt squeeze. POOH w/ WS & stinger. SDFN.

1/8/2015

Rig & equip maint, thawing open top/cement waste tank & trucking fluid to disposal. SDFN.

1/9/2015

SIWP - slight vac. NU FMC WL BOP & PU lubricator. Start assem CBL tools, missing key element of tool string.

Wait on tool part & RU FMC.

RIH w - CBL/GR/CCL tool string. Tag 3' cmt on top of CCR set @ 1850'. Run log fr/ 1847' to surf. Squeeze holes @ 1860', CCR @ 1850', squeeze brought cmt up to 1832'.

1/10/2015

Per Conversations w/ Workover Engineer, Advisor & NMOC, decision made to shoot squeeze holes @ ~1700'.

SIWP - slight vac. RU FMC WL BOP & lubricator. PU & RIH w/ 3 1/8" 6 SPF csg squeeze gun. Correlate & perf csg @ 1720', 6 total shots. No change in well noted. POOH, all shots fired. RD FMC.

PU HES 5 1/2" tension pkr. RIH on WS, set pkr @ 1320'.

Use rig pump & establish inj rate into new holes @ 1720' w/ fresh wtr, had communication w/ squeeze holes @ 1290'.

Pump 4 bbl's OK. Reverse circ w/ 10 bbl's same, 3 BPM @ 900#'s, started losing returns, shut down. Release pkr & reverse circ 15 bbl's fresh, no solids in returns, colored water.

POOH w/ & LD pkr. PU & RIH w/ HES Composite Cmt Retainer, set same @ 1694'.

POOH w/ & LD mechanical setting tool. PU & RIH w/ CCR stinger w/star guide. Space tbg out & engage retainer @ 1694', OK. RU HES Cmt. Test pump & lines @ 3,000#'s, good.

Est circ w/ 14 bbl's fresh water ahead, 3/4 BPM @ 480#'s avg. Mix & pump 10 bbl's G neat 13.5# lead cmt & 23 bbl's 15.3# tail cmt w/ adds w/ full circ thru out. Displace cmt w/ 8 bbl's fresh & pull out of CCR w/ 1270#'s on cmt job. Note: lost circ 2 bbl's into displacement. Circ clean w/ 40 bbl's fresh water, 16 bbl's into step had 3 bbl cmt in returns & 24 bbl's into step recover 1.5 bbl cmt slurry. Circ 40 bbl's total.

RD HES cmt equip. POOH w/ & LD CCR stinger. SDFN

1/11/2015

SIWP - 0. Open well up. RIH w/ 4 3/4" bit, 6 - 3 1/2" DC's, X/O, 2 7/8" pup jt & 2 7/8" WS to verify csg open prior to logging. Tag 2' cmt on top of CCR set @ 1694', OK. POOH w/ tbg & BHA

RU FMC. PU & RIH w - RCBL/GR/CCL tools. Tag @ 1692' & run logs fr/ 1686' to surf. Log indicates good cmt behind pipe fr/ 1686 - 1170", 516' new cmt. RD FMC

RIH w/ 4 3/4" bit, 6 - 3 1/2" DC's, X/O, 2 7/8" pup jt & 2 7/8" WS to 1678'. Install rotating rubber & PU power swivel.

Drill 2' cmt, 5 1/2" CCR, # 4, @ 1694' & 27' cmt, fell thru @ 1723' ( squeeze holes @ 1720 - 21'). Circ clean. Test csg & top squeeze @ 600#'s, 15 min test - 0 bleed off.

Drill 2' cmt, 5 1/2" CCR, # 3, @ 1850' & 16' cmt, fell thru @ 1868' ( squeeze holes @ 1860 - 61' ). Circ clean. Test csg & both squeezes @ 600#'s, no test, lost 200#'s in 5 min.

ND swivel & rotating rubber. POOH w/ DC's & bit. SDFN

1/12/2015

SIWP - 0, open well up. PU & RIH w/ 5 1/2" csg scraper, tag cmt top @ 1878', OK.

POOH w/ bit & scraper. PU & RIH w/ Miller 5 1/2" FB pkr. Set same @ 1798', squeeze holes @ 1861'.

Check bleed off/inj rate, .5 BPM @ 1300#'s. Test csg fr/ 1798' to surf @ 600#'s, held good

Contact W/O Engineer w/ results. Contact HES, schedule squeeze for AM. SDFN

1/13/2015

RU HES cmt equip. Release 5 1/2" Pkr @ 1798', LD 1 - Jt & reset Pkr @ 1767'. Test csg & Pkr @ 600#'s, good test. Bleed down to 300#'s & shut in to monitor during squeeze work.

Test pump & lines @ 3,000#'s, good test. Pump 5 bbl's fresh wtr ahead & check inj rate into squeeze holes @ 1861': .5 BPM @ 1280#'s.

Mix & pump 50 sks Type III cmt blended w/ Halad 344 & CFR - 3, 12.5 total bbl's slurry @ 14.4 ppg. Pump 12.5 bbl's slurry & displace w/ 10 bbl's fresh wtr - .5 BPM @ 1075#'s avg. Shut down.

Start hesitation squeeze w/ 15 - 30 min wait periods. Pump an additional 1.3 bbl's displacement leaving 1 bbl in csg above the holes. Check for flow back, well flowing, flow back .3 bbl wtr. Shut in & pump .3 bbl. After wait period pump .5 bbl, pressure up to 1440#'s, check flow, very slight. Release Pkr & reverse circ w/ 26 bbl's wtr, no cmt slurry in returns.

LD 1 Jt, reset Pkr @ 1736'. Put 1200#'s on squeeze. RD HES Cmt. SDFN

1/14/2015

SITP/squeeze pressure 300#, SICP - 0. RU & test tbg & squeeze @ 600#'s, held, good test

Release 5 1/2" FB Pkr @ 1736', POOH, LD same. RIH w/ 4 3/4" bit, 3 1/2" DC's & WS. Tag cmt top @ 1756', S/B @ ~1840'. Install rotating rubber & PU power swivel

Drill cmt fr/ 1756' to 1840', noting that cmt was not that hard & that there were some void spots in cmt column, circ clean. Test csg & squeeze @ 600#'s, held. Contact & inform engineers. Continue D/O cmt 1840' to 1865', fell thru.

(Squeeze holes 1860 - 61' ). Circ clean. Test csg & squeeze @ 600#'s, losing 20 #'s in 5 min's. Contact & inform engineers. Discuss options.

D/O 2' cmt & CCR @ 1880' & squeeze cmt to 1915, fell thru. ( Squeeze holes 1900 - 01 ). RIH w/ bit to top of cmt on CCR # 1 @ 2139'. Circ clean. Test csg & squeeze @ 600#'s, lost 15#'s in 5 min.

ND power swivel & remove rotating rubber. POOH w/ bit & DC's. SDFN

1/15/2015 SIWP - 0, RU FMC WL. RIH w - CBL/GR/CCL tools to 2139', tag cmt top. Run logs fr/ 2130' to surf. Log indicates very little if any cmt fr/ 1720' to 1800'. RD FMC WL. Contact engineers w/ findings.

Fill & test csg @ 540#'s. 30 min test, lost 160#'s. PU & RIH w/ 5 1/2" FB Pkr to 1888'

Verify squeeze holes @ 1860 - 61 leaking.

Set Pkr & test 1888' to 2139' @ 500#'s, good test. Pull Pkr & set @ 1856', Test csg to surf @ 500#'s, good test. Test tbg fr/ 1856' to 2139' @ 500#'s, lost 110#'s in 5 min. Release Pkr & POOH, LD same. RIH w/ 2 7/8" WS to 1882', open ended

RU HES Cmt pump & lines

Mix & pump balanced cmt plug w/ 18 sks FineCem cmt mixed @ 12.5 ppg, 2.5 bbl's slurry.

LD 3 Jt's tbg, reverse clean w/ 20 bbl's fresh wtr, .25 bbl cmt slurry in returns. RD HES cmt equip. POOH w/ tbg

PU & RIH w/ 5 1/2" FB Pkr, set same @ 1734'

Test csg @ 500#'s, good. Pressure up on cmt plug to 500#'s & STI. SDFN

1/16/2015

SITP - 30#'s (PSI left on cmt squeeze) & SICP - 0. RU WSI testing unit. Pre-test csg fr/ surf to Pkr set @ 1734', @ 540#'s. Good test. Wait on NMOCD inspector. Perform MIT on csg fr/ surf to Pkr set @ 1734', @ 560#'s for 30 min. Good test, witnessed & passed by NMOCD inspector. Release & POOH w/ 5 1/2" Pkr, LD same.

RIH w/ 4 3/4" bit & DC's on 2 7/8" WS to 1780'. Install rotating rubber & PU power swivel

Did not tag solid cmt, 36 hr set time. Circ balanced plug slurry to mud tank, fr/ 1792 - 1882'. RIH to cmt top @ 2139'. Circ hole volume. Test csg @ 500#'s, 0 bleed off in 5 min.

ND swivel, pull rotating rubber. POOH LD 2 7/8" WS, 6 - 3 1/2" DC's & 4 3/4" bit. SDFWE

1/17-21/2015 Inactive on well

1/22/2015

MI, Spot & RU HES E-Line, RU Lub, RIH w/ 3 1/8" guns, loaded 4 SPF, 90 deg, Perforate the Fruitland Coal in 3 runs from 1915-1930, 1940-1955 and 1970 - 1984, No psi on well, Fluid level dropped 200'. POOH, RDMO HES E-Line

Offload 3.5" frac string. PU & RIH w/ 5 1/2" Hornet pkr on 57 jts and 10' pup, 3.5", 9.3#, N,L-80 tbg, Set pkr @ 1805 (middle pkr element) Btm @ 1810', Landed in 8K compression. Had 2 way check in hangar. Tested valves and connections to 3K, Pull two way check. Load backside, test csg, pkr to 500 psi. Test good RD Tongs, Floor, ND BOP's NU WSI 7 1/16" 5K Frac tree, RD AESC # 8"

1/29/2015

Spot flowback equipment, start rigging up same, Spot HES mountain mover. Loading sand, rigging up flowback, spotting HES Frac Equipment. R/U HES flowback equipment

1/30/2015

Winter storm, wait on HES N2 equipment, Spot and R/U same, Finish R/U line restraints

Open well, 86 psi, PI w/ 2000 gal 15% HCL, dropped 260 balls on final 1500 gal, Pumping @ 6.5 bpm and 900 psi, Saw no ball action. Start pad, pumped pad, Never got N2 lined out, SD Pump. Troubleshoot, Diagnose N2 flowrate discrepancies

Bring pumps online w/ treated wtr, switch over to linear gel, switch to X-Ling, Pumping @ 32 bpm combined rate, 3450 psi, Start sand, Adjusting N2 and fluid rate attempting to maintain 65-70% foam quality, Pump sand in 6 stages starting w/ 0.5 ppg working to 5.0 ppg.

SD pumps, ISIP- 1715 psi, 5 min - 1558 psi, 10 min - 1543 psi, 15 min - 1557 psi. Pumped 2000 gal 15% HCL, Max psi - 3676, Max prop conc - 5.6 ppg, Avg quality - 65%, Total N2- 2101843 scf, At avg rate of 16385 scf/m, FG - 1.312 psi/ft, 27% pad, 227660# 20/40 Premium White pumped and in formation, Total fluid volume 63288

RDMO N2 equipment, RD treating line on tree, RD Isolation tool, Frac equipment will remain on location

1/31/2015

Flowtest well w 24 hr supervision, Water to tank, No gas yet, As of 1800 hrs well flowing 288 bwpd rate on 20/64 choke w/ 420 psi FWHP, Recover total of 308 bbls of 1507 bbl load, Trace sand. Note: Opened well at 12:30 A.M. SI pressure was 1400, Opened on 10/64 choke

2/1/2015

Flow test well w/ 24 hr supervision, water to open tank, No gas or N2, Trace sand. At 0000 hrs well flowing on 18/64, 480 psi FWHP, 244 BWPD rate, No gas, Trace sand, At 1100 hrs, 18/64, 175 psi FWHP, 72 BWPD rate Trace sand, Open well to unload fluid, At 1500 hrs, WHP - 0 psi, 0 BWPD rate, SI Well, 5 hr Build up - 440 psi, Open well on 10/64, As of 2000 hrs recovered 413 bbls of 1507 bbl load.

2/2/2015

Flow testing w/ 24 hr supervision, water to tank, No gas, from 0000 hrs to 0500, Flow well on 12/64, Small gurgle at tank, WHP fell from 360 psi to 260, no fluids, Trace LEL in tank, Increase to 14/64 choke, At 0600, WHP - 200 psi, No fluid, Change choke to 48/64, Began making fluid immediately, At 0700 hrs, 48/64, WHP - 200 psi, 432 BWPD rate, At 0800 hrs, 48/64, WHP - 60 psi, 144 BWPD rate, At 0900 hrs, 48/64, WHP - 40 psi, 96 BWPD rate, Recovered total of 441 bbls of 1507 bbl load, SI well, Weatherford released.

2/5/2015

Check well pressure: SICP 450psi. SI lower master & bled off wellhead. R/U lubricator & install 3-1/2" BPV - had difficulty operating lubricator. Bled off frac tree, BPV holding properly. Will finish N/D frac tree in the morning

2/6/2015

Check well pressure: 0psi. Opened up well, N/D frac tree. Installed top flange w/ 2-3/8" 8rd outlet thread, swedge to 2" line pipe, 2" 3k ball valve, bull plug, needle valve. Shut In & load out equipment

2/19/2015

MIRU. Stump test BOP's to 250/2400 psi

Attempt to pump thru BPV, Pumped 1 bbl fluid and pressured up to 2400 psi. ND Dry hole flange, NU BOP's, blind, pipe and annular, RU floor, tongs, NU Lubricator, Remove two way check, 400 psi on well. RD Lubricator  
SITP - 400 psi, Bleed down to zero, recovering N2 & water. Pump down tbg w/ 20 bbls 2% KCL, well on vacuum  
Rig up hard lines to flowback tank, Set catwalk, pipe racks, RU Air Unit, Winterize & Secure well, SDFN.

2/20/2015

Check well, SITP - 350 psi, SICP - 320 psi, csg bleeds right off, Kill down tbg w/ 15 bbl

Change out rams to 3 1/2, Re-kill w/ 10 bbls, Release pkr, let equalize, POOH, LD 57 jts 3 1/2, LD pkr

Swap out pipe racks w/ workstring, tally. Change out rams to 2 7/8", PU & RIH w/ 4 3/4" bit, 6 - 3.5" DC's on 2 7/8" workstring, Tag @ 2019'.

RU Swivel, Start air, establish circulation. Pumping 1200 cfm, 10 bwph mist, PSI built to 450, well started unloading fluid, PSI fell to 250 psi

PU Swivel, Clean out sand to 2139', Drill Cmt from 2139-49, Drill CCR from 2149-51, Drill Cmt from 2151 to 2217, fell thru, RIH, tag CBP @ 2849', circ clean Recovering frac sand, 1 cup/5 gal sample

RD swivel, POOH w/ 32 jts tbg. SDFN.

2/21/2015

Check well, SITP - 350 psi, SICP - 400 psi, Open well to flowback tank. RIH w/ bit, to CBP

Start air, Establish circulation @ 450 psi, Pumping 12 bwph mist, Pump sweeps, Sand falling off to trace, Making very little fluid, SD air, Load csg from perfs to CBP w/ 40 bbls. POOH w/ bit, DC's & tbg PU & RIH w/ 5 1/2 fullbore pkr on 2 7/8" tbg, Could not get pkr past 1920', Pkr OD - 4 3/4", Order out 4.5" OD pkr and string mill, Note: Did not see a tight spot when pulling 4 3/4" bit. POOH w/ pkr and tbg

Kill well w/ 15 bbls, RIH w/ 4.5" OD Fullbore, Set pkr @ 2003'

Test below pkr to CBP @ 2851, Slow bleedoff, repair surface leaks, retest, put on chart and tested to 600 psi. Chart showed gain from 600 to 635. Temp. TBGPULL. Release pkr, POOH. SDFN

2/22/2015

Check well, SICP - 400 psi, Bleed well to tank. Kill well w/ 20 bbls, RIH w/ 4.5" OD Fullbore pkr, set pkr @ 2003' on 63 jts Fill tbg, Test casing from 2003 to 2851' on chart, Test witnessed by Paul Wiebe w/ NMOCD, Tested to 680 psi, PSI rose to 710 psi, State Passed test. Bleed down. Release pkr, POOH, LD Pkr.

RIH w/ 4 3/4" bit, 6 3.5" DC's. Tag fill @ 2824', RU Power Swivel

Start air, attempt to establish circ, press up to 2500 psi, tbg plugged, Found DC's full of cement chips, LD DC's

RIH w/ 4 3/4" bit, x-o on 2 7/8" tbg, Tag fill

Start air, Establish circ, Clean out from 2824' to CBP @ 2851, Drill out CBP, Circ clean Swivel in, Retag @ 4516', Clean out to PBTD - 4538', Circ clean. Kill well w/ 15 bbls, RD Swivel, POOH w/ 43 stands, Secure well, SDFN

2/24/2015

Check well, SITP - 350 psi, SICP - 350 psi, Open well to flowback tank. RIH w/ bit, Tag for fill @ PBTD-4538. POOH, LD 144 jts 2 7/8" workstring, bit. Swap out strings, Load 2 3/8 prod tbg on racks, tally same, change out rams and handling equipment to 2 3/8". PU & RIH w/ SN, 6' Pup Jt, 123 Jts 2 3/8, 4.7#, L-80 EUE tbg, 13 jts 2 3/8 L-80 w/ cap string banded on outside, Hangar, Land Hangar, EOT-4366.14, 418' cap string banded to tbg. RD Floor, tongs, ND BOP's, Annular, Pipe and Blinds, NU WH, Test void to 1500 psi, Test good.

2/27/2015

RDMO.







# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

## MECHANICAL INTEGRITY TEST REPORT

(TA OR UIC)

Date of Test 2/23/2015 Operator Four Star API # 30-045-30204

Property Name Blanco Well # 1A Location: Unit 0 Sec 1 Twn 2 Rge 9

Land Type:

State \_\_\_\_\_  
Federal ☒ \_\_\_\_\_  
Private \_\_\_\_\_  
Indian \_\_\_\_\_

Well Type:

Water Injection \_\_\_\_\_  
Salt Water Disposal \_\_\_\_\_  
Gas Injection \_\_\_\_\_  
Producing Oil/Gas ☒ \_\_\_\_\_  
Pressure observation \_\_\_\_\_

RECEIVED

FEB 23 2015

NMOCD

DISTRICT III

Temporarily Abandoned Well (Y/N): NO TA Expires: \_\_\_\_\_

Casing Pres. 0  
Bradenhead Pres. 0  
Tubing Pres. 0  
Int. Casing Pres. \_\_\_\_\_

Tbg. SI Pres. \_\_\_\_\_  
Tbg. Inj. Pres. \_\_\_\_\_

Max. Inj. Pres. \_\_\_\_\_

Pressured annulus up to 680 psi. for 30 mins. Test passed ~~failed~~

REMARKS: Packer at 2003' Bridge Plug at 2851 Perfs at 1990  
Pressure gained 30 PSI due to just setting packer and  
tapping off well

By [Signature]  
(Operator Representative)

Witness Paul Wibe  
(NMOCD)

Tool Pusher  
(Position)

Revised 02-11-02



