Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMSF078357

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
MARSHALL A 3

2. Name of Operator
FOUR STAR OIL GAS COMPANY
Contact: APRIL E POHL
E-Mail: APRIL.POHL@CHEVRON.COM

9. API Well No.
30-045-06536-00-S2

3a. Address
332 ROAD 3100
AZTEC, NM 87410

3b. Phone No. (include area code)
Ph: 505-333-1941
Fx: 505-334-7134

10. Field and Pool, or Exploratory
BASIN

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 15 T27N R9W SWNE 1380FNL 1650FEL
36.578720 N Lat, 107.771973 W Lon

11. County or Parish, and State
SAN JUAN COUNTY, 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
BP	☐ 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 recomplete 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 recompletion 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.)

A CASING REPAIR WAS COMPLETED ON THE MARSHALL A 3 ON AUGUST 29, 2015
8/20/2015 MIRU.
8/21/2015
N/D wellhead, N/U BOP's. Tested flange to 2100psi - good. RIH & tag fill @2110'. Lay down 65jts prod tbg to rod back off point. tbg 1954' - 2096' -exterior wear collars & holes/pitting from corrosion. Strip out remaining 1 rod & 4 sinker bars with rod pump. Pump stuck in 'up' position. Thick mud-like material in and around pump.
RIH 4-3/4" bit & 5-1/2" scraper on 2-3/8" workstring. RIH to 1969', no obstruction. POOH & lay down bit & scraper.
RIH w/ 5-1/2" Hornet plug. Set RBP @ 1905'. FIll csg with 3bbls 2% KCl & attempt to pressure test. Started pumping into suspected csg hole @2BPM 450psi, total 5bbls. No communication with surface csg. POOH w/ setting tool.

OIL CONS. DIV DIST. 3

SEP 03 2015

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #315048 verified by the BLM Well Information System
For FOUR STAR OIL GAS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ABDELGADIR ELMADANI on 09/01/2015 (15TLS0303SE)

Name *(Printed/Typed)* JIM MICIKAS — Title PRODUCTION ENGINEER

Signature (Electronic Submission) — Date 09/01/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED — Title ABDELGADIR ELMANDANI PETROLEUM ENGINEER — Date 09/01/2015

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.

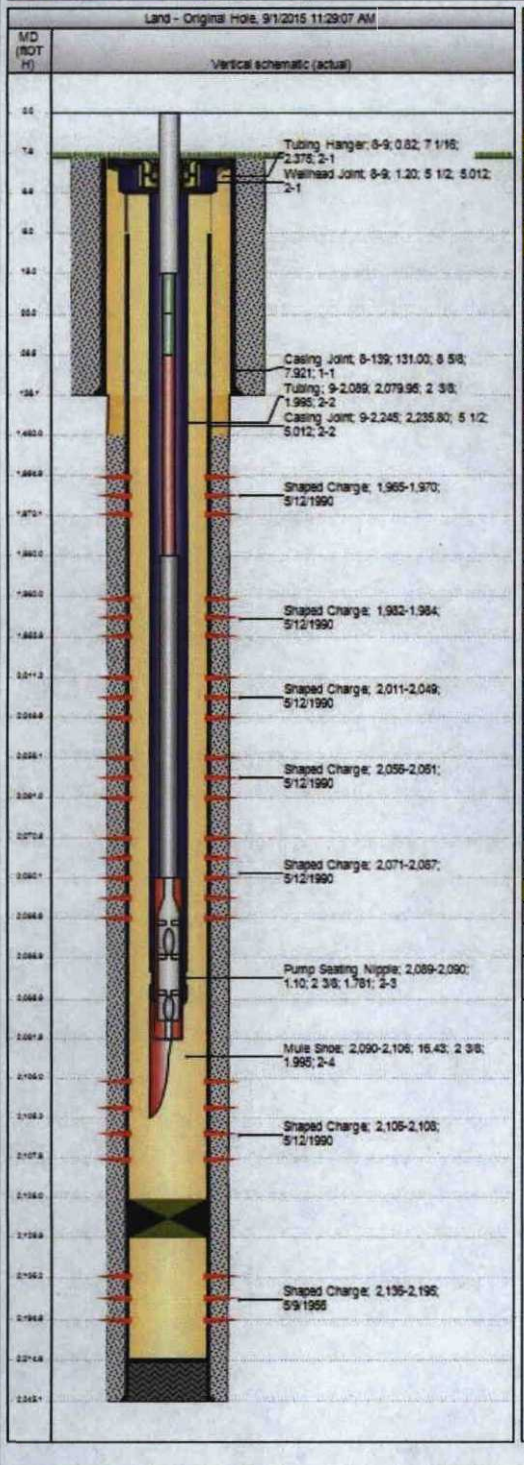
**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD AV

3

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
Marshall A3	Marshall 'A'	Blanco Mesa Verde	Mid-Continent



Job Details

Job Category	Start Date	Release Date
Major Rig Work Over (MRWO)	8/20/2015	8/29/2015

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftOTH)
Surface	8 5/8	32.00	J-55		139
Production Casing	5 1/2	14.00	J-55		2,245

Tubing Strings

Tubing - Production set at 2,106.3ftOTH on 8/28/2015 12:00

Tubing Description	Run Date	String Length (ft)	Set Depth (MD) (ftO...
Tubing - Production	8/28/2015	2,098.30	2,106.3

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftOTH)
Tubing Hanger	1	7 1/16			0.82	8.8
Tubing	65	2 3/8	4.70	L-80	2,079.95	2,088.8
Pump Seating Nipple	1	2 3/8			1.10	2,089.9
Mule Shoe	1	2 3/8			16.43	2,106.3

Rod Strings

Rod string on 8/28/2015 16:00

Rod Description	Run Date	String Length (ft)	Set Depth (ftOTH)
Rod string	8/28/2015	2,090.00	2,091.9

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftOTH)
Polished Rod	1	1 1/4			16.00	17.9
Pony Rod	1	3/4			2.00	19.9
Pony Rod	1	3/4			10.00	29.9
Sucker Rod	78	3/4	1.63	D	1,950.00	1,979.9
Sinker Bar	4	1 1/4	4.17		100.00	2,079.9
Rod Pump - 1-1/4"x12' RHAC-Z	1	1 3/4			12.00	2,091.9

Perforations

Date	Top (ftOTH)	Btm (ftOTH)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
5/12/1990	1,965.0	1,970.0	4.0	20	Fruitland Coal, Original Hole
5/12/1990	1,982.0	1,984.0	4.0	8	Fruitland Coal, Original Hole
5/12/1990	2,011.0	2,049.0	4.0	152	Fruitland Coal, Original Hole
5/12/1990	2,056.0	2,061.0	4.0	20	Fruitland Coal, Original Hole
5/12/1990	2,071.0	2,087.0	4.0	64	Fruitland Coal, Original Hole
5/12/1990	2,106.0	2,108.0	4.0	8	Fruitland Coal, Original Hole
5/9/1956	2,136.0	2,195.0	4.0	236	Pictured Cliffs, Original Hole

Other Strings

Run Date	Pull Date	Set Depth (ftOTH)	Com

Other In Hole

Des	Top (ftOTH)	Btm (ftOTH)	Run Date	Pull Date	Com
Cast Iron Bridge Plug	2,128.0	2,130.0	5/9/1990		

Report Printed: 9/1/2015

8/23/2015

RIH w/ notched collar to 1875' & spot 20gal sand on top of RBP @1905'. POOH w/ notched collar.

RIH w/ 5-1/2" pkr w/unloader & set @987'. Pressure test 5-1/2" csg to 500psi for 5min - good. Bled back to 100psi & left pressure trapped on annulus to monitor.

R/U cementing crew. Pressure test lines to 3000psi set max pressure for job at 1500psi. Establish injection rate of 2BPM 850psi w/ 5bbls fresh water. Mix class 'G' neat cement at 15.8ppg, pumping @1BPM 500psi. After 6bbls pumped, pressure on 8-5/8' surface csg upe to 200psi. No communication w/ 5-1/2". Open surface csg to returns tank, circulating out black water. Continue pumping 15.8ppg cement @2BPM & pressure down to 350psi. Returns became more viscous, bringing back heavy drilling mud, pump pressure increased to 1500psi, lost returns after 48bbls cement pumped. Cement/thick mud interface plugged off at wellhead.

R/D cementers, leave 680psi on tbg, 200psi on 5-1/2", 40psi on 8-5/8". SWIFN.

Attempt to pump displacement, reached max pressure of 1500psi. Bled off pressure & opened unloader on pkr, let pressure equalize & release pkr - no flow from formation. Reverse out 4bbls cement w/ 2% KCl until clean & pull 2 stands. Reverse with additional 20bbls 2% KCl, saw no cement, returns clean KCl water. Reset pkr @925'. Broke off returns line on 8-5/8" and found cement packed off in valve & fittings (cement to surface). Pressure up with cementers to 700psi down tbg with no fluid movement & monitor for 30min - lost 20psi, pressure on 8-5/8" 40psi, no communication with 5-1/2".

8/24/2015

Release pkr, pressure tested 5-1/2" csg from surface to cement top (977') to 500psi for 30min - no leak off. Lay down pkr.

P/U & RIH w/ 4-3/4" bit, four 3-1/8" collars, on 2-3/8" workstring. RIH & tag TOC @977'. R/U swivel.

Break circ, drill very hard cement 977' to 1134' at a consistent rate of 30ft/hr. Circulate clean, R/D swivel. Pull 2jts & SWIFN.

8/25/2015

Open surface csg - no fluid flow. R/U swivel, RIH to 1134', continue drilling hard cement. Drill to 1193', fell through. R/D swivel, RIH to sand top at 1875'. POOH w/ bit.

R/U wireline unit. RIH w/ CBL tool. Tag top of sand @1875' & record bond to surface. Showed original TOC @1475' & bottom of squeeze cement @1220'. Good bond to surface. R/D cementers.

R/U chart recorder & pressure test 5-1/2" csg from 1875' to surface to 500psi for 30min. Lost 20psi gradually over 30 min. Install hanger & test BOP's to 250/2100psi low/high. All valves, pipe, blinds & annular to 1500psi, good. R/D BOP tester, remove hanger. SWIFN.

8/26/2015

Spot in & R/U chart recorder. Perform MIT with John Durham (NMOCD) as witness. Pressure up 5-1/2" csg to 680psi & record pressure for 30min. No leak off, good test. R/D chart recorder.

RIH w/ retrieving head to 1875' (sand top) & circulate sand off of RBP @1905'. Engage RBP & release plug. Check pressures, hole standing full. POOH & lay down RBP.

P/U & RIH w/ 6jts 2-3/8" workstring, 10ft pup, 5-1/2" pkr. RIH to 1905' & set pkr (end of tailpipe @2098').

Pressure test annulus to 500psi - good. Pump 10bbls down tbg @3.5BPM 600psi. Wait for acid to arrive on location.

Spot in & R/U acid pump, transport, lines. Pressure test lines to 3000psi. Establish injection rate of 4BPM 800psi w/ 10bbls 2% KCl (took 5bbls to fill). Switch to acid & pump 2000gal 15% HCl w/ additives @4BPM 800psi & flush to end of tailpipe w/ 8bbls 2% KCl. Let soak for 30min. Flush with additional 20bbls 2% KCl @ 4BPM 500psi. ISIP 200psi. R/D acid crew. SWIFN.

8/27/2015

Opened up well. Release pkr @1905' & POOH. RIH w/ 4-3/4" bit on 2-3/8" workstring. RIH to 2088' & R/U swivel.

Break circulation with air unit, continue in hole. Tag fill @2110' & clean out to CIBP @2128'. Fill was soft, mushy. Returns were mud/silt consistency, cleaned quickly. Air unit pumping 8-10 bbl/hr, 1gal per 20bbl corrosion inhibitor, foamer, oxygen scavenger. Pump pressure +/-250psi. Circulate clean, continue circulating bringing back slugs of fluid. Recovered 75bbls in 5hrs. Cut air, pull above perfs to 1875'. SWIFN.

8/28/2015

Opened up well. RIH & tag CIBP @2128', no fill. POOH 2-3/8" workstring.

Transfer 68jts Yellow band 2-3/8" , tally. P/U & RIH w/SN on 65jts 2-3/8". land prod tbg with EOT @2098', SN @2089'.

R/D floor & handling equipment. N/D BOP's, N/U wellhead. R/U rod handling equipment.

RIH w/new rod pump 1-1/4"x12' RHAC-Z on 3/4" rod string 79 rods. Seat pump, test tbg 500psi - good. Pump action-good. SWIFN.

8/29/2015 RDMO