

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 04 2014

FORM APPROVED

OMB No. 1014-0117

Expires: October 31, 2014

APR 08 2014

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

1149IND8466

6. If Indian, Allottee or Tribe Name

NAVAJO

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well

☐ Gas Well

☐ Other

2. Name of Operator

FOUR-STAR GAS & OIL COMPANY

3a. Address

ATTN: Permitting Specialist
332 Road 3100, Aztec, New Mexico 87410

3b. Phone No. (include area code)

505-333-1941

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

8. Well Name and No.

JOHN CHARLES 6

9. API Well No.

30-045-06545

10. Field and Pool or Exploratory Area

BLANCO MESAVERDE

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

895 FNL 1030 FEL A-13-27N-09W

11. County or Parish, State

SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ 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 **BRADENHEAD**

REPAIR

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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

During regular Bradenhead testing, it was discovered there is a very concerning with the Bradenhead. A sample showed hydrocarbons, in the form of an oily substance. When flowed back, the substance changed to clear water. A clear water sample will be obtained for BTEX testing.

The NMOCD was consulted 4/3/14, immediately after the problem was discovered. After discussion a plan was developed to repair the Bradenhead. As this is a Navajo well, this filing is being made to the BLM as they have primacy in regulatory issues.

The Bradenhead repair procedure is attached.

OIL CONS. DIV DIST. 3

APR 08 2014

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

April E. Pohl

Title Permitting Specialist

Signature

Date

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, 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.

(Instructions on page 2)

OPERATOR

Cloud

John Charles #6

API: 30-045-06545

Section 13 T27N R9W

Bradenhead Repair Procedure:

DURING REGULAR BRADENHEAD TESTING IT WAS DISCOVERED THERE IS A VERY CONCERNING ISSUE WITH THE BRADENHEAD. A SAMPLE SHOWED HYDROCARBONS IN THE FORM OF AN OILY SUBSTANCE. WHEN FLOWED, THE SUBSTANCE WAS QUICKLY FOLLOWED BY WATER. WE WILL OBTAIN A WATER SAMPLE FOR BTEX TESTING AS WE AWAIT APPROVAL ON THE REPAIR.

- Rig up run bit and scrapper for 7-7/8" 26# to top of liner @ 2227'
- Run 4-3/4" bit and scrapper in liner to PBTD of 4469'. Set bridge plug at ~3800'
- Run sector cement bond log from ~3800' to surface.
 - Discuss log with agencies
- Load casing with water and test to 500 psi
 - If leak off detected, isolate location of hole with bridge plug and packer.
- Squeeze holes or perforate 4 squeeze holes at top of cement. Set cement retainer ~50-100' above squeeze holes
- Establish injection rate or circulation out the bradenhead and rate. Cement casing. WOC.
- Drill out retainer and test squeeze hole to 500 psi
 - Re-squeeze if necessary, set cement retainer 50' above previous setting depth.
 - If cement does not circulate to pit – a subsequent sector cement bond log will be run to identify TOC.
 - Discuss path forward with all agencies before proceeding
- Drill out bridge plug and cleanout to PBTD of 4469'. Return well to production.

Top perf = 3930 DP @ 38W

(Top mv = 3822

Run CAL



John Charles 6
San Juan County, New Mexico
Current Well Schematic as of May 11, 2010

API: 30-045-06545
Legals: Sec. 23, T27N, R9W
Field:

Formations	Top
Pictured Cliffs	2096
Mesa Verde	3620
Pt Lookout	4282

KB 12' Spud Date: 5/1/59
KB Elev 5988' Compl Date: 5/23/59
GR Elev 5976' Spacing

Surface Casing:
10 3/4" 32.75# H-40 @ 174'
200 sx 2% CaCl
cmt circ to surf

currently on PL

Tubing (1994):
2 3/8", 139 jts @ 4436'
4' perf sub, pinned collar, SN

Previous (1959):
2 3/8", 139 jts @ 4426'
4' perf sub, pinned collar

sqze top of liner @ 2227' w/50 sx reg (1959)
sqze top of liner @ 2227' w/50 sx reg and 50 sx 4% gel and 2% CaCl (1959)

5 1/2" 14# J-55 liner @ 2227-4498'
250 sx cmt, 50% pozmix w/1/4# flocele/sk
top of Brown Oil Tool type C liner hanger @ 2227'

Production Casing:
7 5/8" 26.4# H-40 @ 2305'
200 sx reg cmt 4% gel

*Set OP @ 3800 feet Run CAL to surf
look for leak with P.T. SP, TOL*

Menefee: 4 Lane Wells type E bullets per foot, 56', 224 holes
3930-48, 3954-59, 4022-33, 4167-80, 4212-17, 4249-53
frac: 50 k# 20/40, 32,876 gal wtr, 8,694 gal wtr, 63.6 bpm

acid (5/12/94): 600 gal 15% HCl down annulus to clean scale from tbq ext

Point Lookout: 4 Lane Wells type E bullets per foot, 79', 316 holes
4300-10, 4318-22, 4328-53, 4360-82, 4385-93, 4397-4409,
4417-21, 4440-44'
frac: 50 k# 20/40, 51,114 gal wtr, 8,946 gal wtr flush, 67.4 bpm

PBTD = 4469'

TD = 4500'

*~ indicate of cement at top of liner
for OP pipe*

Prepared by: Jason Chow
Date: 5/11/2010

Revised by:
Date:

4/8/2014

Wellbore Diagram

r263

30-045-06545-00-00

JOHN CHARLES No. 006

Company Name: FOUR STAR OIL & GAS CO

Location: Sec: 13 T: 27N R: 9W Spot:

Lat: 36.5799903168641 Long: -107.734533084914

Property Name: JOHN CHARLES

County Name: San Juan

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
SURF	174	10.75		
PROD	2305	7.625		
L1	4498	5.5		
T1	4439	2.375		

Cement from 174 ft. to surface
 Hole: Unknown
 Cement from 2305 ft. to surface
 Surface: 10.75 in. @ 174 ft.

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
L1	4498	2227	UK	250
PROD	2305	0	UK	200
SURF	174	0	UK	200

Hole: Unknown
 Liner from 4498 ft. to 2227 ft.
 Tubing: 2.375 in. @ 4439 ft.
 Production: 7.625 in. @ 2305 ft.

*7 1/2" at 2305' (TO DC)
1062*

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
3930	4444			

Formation Information

St Code	Formation	Depth
Kpc	Pictured Cliffs Formation	2036
Kme	Menefee Formation	3620
Kpl	Point Lookout Formation	4282

Hole: Unknown

TD:

TVD: 4500

PBTD: 4469

5 1/2" 1 in @ 4498

Top 2227

*8 pipe incident
closed on top of 1 in*