

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau 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.

5. Lease Serial No.

NMNM/0003380

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Florance #68

9. API Well No.

30-045-11782

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan 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 approximated 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 final site is ready for final inspection.)

Cross Timbers is requesting approval to open addition pay in the Gallup formation. A copy of the recompleation procedure is enclosed for you review. Cross Timbers is planning to start this project by the end of the year.

Rule 104 B. (1)

96992

HOLD CIDA FOR C-122W400000 NSL

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

Jeffrey W. Patton

Title

Production Engineer

Date

11/18/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

12/1/99

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, 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.

(Instructions on reverse)

NMOC

Needs 40 acre
plot for

VIC 27N08W20S

Gallup

and use for oil
well



Florance #68

OAP in the GALLUP WORKOVER PROCEDURE

WI – 100.0000%
NRI – 67.5000%

Casing: Surface: 8-5/8", 24.0# csg @ 1,004' KB.
Long String: 4 -1/2", 10.50# & 11.6# csg @ 7,460' KB. DV tools @ 2,888' KB & 5,298' KB. Cmt'd 1st stg w/150 sx class "C" w/7#/sx salt & 1.0% CFR-2. CBL showed no bond over the interval fr/7,210-6,800'. CBL showed good bond fr/6,800'-6,650'. Bond log ended @ 6,650'. Cmt'd 2nd stg w/200 sx class "B" w/10% gel, 0.4% HR-7 & 1/2#/sx Flocele. TOC not reported. Cmt'd 3rd stg w/550 sx class "B" w/10% gel, 0.4% HR-7 & 1/2#/sx Flocele. TOC not reported.

Perforations: Dakota fr/7,212'-22', 7,281'-89', 7,373'-76' & 7,384'-90'. (3 JSPF).

Tubing: 235 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg & "F" nipple. Landed EOT @ 7,348' KB. FN @ 7,344' KB.

Current Status: Dakota currently flwg @ 20 MCFPD & 0.5 BOPD.

Objective: Temporarily plugback the Dakota & OAP in the Gallup.

1. Test anchors on location.
2. MIRU PU, pmp & pit. Fill pit w/2% KCl wtr. MI $\pm$ 10 jts of inspected and press tstd yellow band 2-3/8", 4.7#, J-55, EUE, 8RD tbg. Check and record tubing, casing and bradenhead pressures. Record production & pit tank gauges on gauge sheet. Report ending oil gauge for the Dakota to Cheryl Moore @ CTOC office.
3. Blow down well and kill w/2% KCl wtr if necessary.
4. ND WH. NU and pressure test BOP's.
5. TIH w/tbg & check for fill (PBTD @ 7,410' KB). PU tbg as required. TOH w/tbg. Tally & visually inspect tbg while TOH. Replace tbg as needed.
6. MIRU WL trk. RIH w/GR, & CCL log fr/7,320' to 2,500'. Correlate collars to the gamma ray from the Schlumberger Formation Density Log dated 7/01/66.
7. RIH & set 4-1/2" Owen CIBP (dressed for 11.6# csg) @ $\pm$ 7,155'. Csg collars @ 7,139' & 7,171'. RD WL.
8. PT csg & CIBP to 1,000 psig for 5".
 - If csg & CIBP will not tst, TIH w/4-1/2" model "C" fullbore (dressed for 11.6# csg) or equivalent pkr to CIBP. Tag CIBP to check depth. PU & set pkr. PT CIBP to 4,000 psig. PT TCA to 1,000 psig for 5".



If TCA holds OK, then walk it up to 3,000 psig for 5". If TCA will not tst, then hunt for hole while TOH. Report results to CTOC Farmington office ASAP. Farmington office will review the situation for economic justification and will either specify a squeeze procedure or will SD operations.

- If csg & CIBP hold (to 1,000 psig) OK, then walk up to 3,000 psig for 5".
9. If the pressure test is acceptable, RU WL to perf the Gallup w/3-1/8" HSC select fire gun as follows: 6,596', 92', 84', 78', 72', 66', 60', 54', 40', 34', 28', 22', 16', 10', 02', 6,498', 93', 84', 76', 70', 64', 16', 12' & 08' (1 JSPF, 24 holes ttl, 12 gram charge). RD WL.
 10. PU & TIH w/SAP or Stradaset pkr ass'bly & 2-3/8" tbq. Hydro-tst tbq to 5,000 psig while TIH. The straddle pkr ass'bly needs to be run with the correct size of nipples & SV's for injection, retrieval and swabbing. If possible, install SV's @ the surface to insure vlvs are seated. If possible, tst the pkr ass'bly above top perf (@ 6,408') in blank pipe to 4,000 psig w/acid trk.
 11. RU acid crew. Use 60' of acid injection hose if possible. PU & straddle the btm perf @ 6,596'. Spot acid to end of tool. BD perf w/1 bbl 15% HCl acid (w/appropriate additives). Record rate, pressure & ISIP (if possible) for each perf. Rel tool & PU to next perf. Repeat the operation w/1 bbl of acid. Continue to repeat this operation for all 24 perfs. ±1,000 gals of 15% HCl acid will be required. Flush the last acid stg w/2% KCl wtr, if all acid has been pumped. If perfs communicate while acidizing move to the next setting. **Max pressure for BD is 4,000 psig.**
 12. PU w/the pkr ass'bly above the top perf (@ 6,408'). Fish SV(s). Bullhead any remaining acid w/2% KCL wtr. EIR into all perfs @ max press (4,000 psig) if possible. Record rate, pressure & ISIP, 5" SIP, 10" SIP & 15" SIP for the entire interval. RD acid crew.
 13. RU swab. Swab tst the interval for 2 hrs. Record the amount of fluid recovered. Also indicate the color and consistency of the fluid being recovered. Save samples of fluid recovered for testing. RD swab.
 14. TOH & LD pkr ass'bly. ND BOP. Kill well w/2% KCl wtr as needed. Install CTOC's 4" FO frac vlv. Contact Ron @ Stinger Wellhead for x-overs, spools or companion flanges as needed.
 15. RU frac crew. Frac the Gallup w/100,000 gals 20#, x-linked, gelled 2% KCl wtr carrying 115,000# 20/40 mesh Brady sd @ 40 BPM & 3,000 psig (max) dwn csg as follows:



Stg		Stg Volume	Sd Conc	Fluid	Proppant Vol.
1	Pad	30,000 gals		20#, x-linked, gelled 2% KCl wtr	
2	SLF	25,000 gals	1 ppg	20#, x-linked, gelled 2% KCl wtr	25,000#
3	SLF	45,000 gals	2 ppg	20#, x-linked, gelled 2% KCl wtr	90,000#
4	Flush	±4,000 gals		Linear gelled 2% KCl wtr	

16. SWI for 2 hrs to allow gel to break. After 1 hr of SI, RU WL. Lubricate in hole w/temp survey. Survey fr/5,300' to btm perf. RDMO WL. Continue to leave well SI until the 2 hrs has passed. Flow well back until dead. Use ck if required. Record pressure hourly.
17. TIH w/notched collar, SN & 2-3/8" tbg. Tag sd. CO sd fill to top of CIBP (@ ±7,155'). A pmp bailer may be required to CO sd fill. Do not use air/foam unit unless absolutely necessary. DO NOT DRILL OUT CIBP.
18. Land the 2-3/8" production tbg @ ±6,350' KB.
19. ND BOP. NU WH. RU swab. Swab well to pit. Gauge production. Once well can produce & stay unloaded, RWTP dwn sales. Sell gas through Dakota separator & mtr run. Notify Vern Thomas that RTU & mtr will need to be adjusted accordingly.
20. RDMO PU. RU SU if necessary.
21. RWTP as soon as possible.

Approvals:  7/29/99

FLORANCE #68 WELLBORE DIAGRAM

PROPOSED

DATA

LOCATION: 1190' FSL, 2510' FEL, UNIT O SEC 20 T27N R8W
COUNTY/STATE: SAN JUAN, NEW MEXICO
FIELD: BASIN DAKOTA
FORMATION: DAKOTA
NM LEASE#: NM-03380 API#: 300451178200 CTOC WELL#: 70288
SPUD DATE: 6/14/66 COMPLETION DATE: 7/12/66
IP: F. 2839 (AOF) MCFPD (8/5/66)
PRODUCTION METHOD: FLWG
TUBING STRING: 2-3/8" 4.7# J-55 EUE TBG & B&R "F" NIPPLE. LANDED TBG @ 7348'. FN @ 7348'.
PERFS: DAKOTA FR7212'-22', 7281'-89', 7373'-76' & 7384'-90'.

HISTORY

06/14/66 BRINKERHOFF DRLG CO SPURRED 12-1/4" HOLE FOR TENNECO OIL CO. GL: 6,744'.
06/15/66 SET 8-5/8" 24# CSG @ 1,004'. CMT'D W/350SX CLASS "C" CMT W/2% GEL & 2% CACL2.
CIRC 8 BBLs CMT TO SURF.
07/01/66 REACHED TD OF 7-7/8" HOLE @ 7,460'.
07/02/66 RAN SCHLUMBERGER OH LOGS. SET 4.5", 10.5 & 11.6# CSG @ 7,460'. DV TOOLS @ 5,298'.
CMT'D 1ST STAGE W/150SX CLASS "C" CMT W/7#SX SALT & 1% CFR-2. CMT'D 2ND STAGE W/200SX CLASS "C" CMT W/10% GEL, 0.4% HR-7 & 1/4#SX FLOCELE. CMT'D 3RD STAGE W/550SX CLASS "C" CMT W/10% GEL, 0.4% HR-7 & 1/4#SX FLOCELE.
07/06/66 DO DV TOOLS @ 2,888' & 5,298'. CO TO 7,425' (PBT'D). EIR INTO CSG @ 1 BPM & 3,700 PSIG.
07/07/66 TIH W/RTTS PKR. PKR FAILED. LEFT RUBBERS & BTM SLIP IN HOLE. TIH W/3-7/8" BIT & CSG SCRAPER TO 7,425'. POH. TIH W/RTTS PKR. TSTD DV TOOLS. HELD OK. FOUND FLOAT COLLAR LEAKING. POH.
07/08/66 RAN GR LOG FR7,430'-7,300'. PERFD W/2 JSPF @ 7,423'. SET RTTS PKR @ 7,400'. SQUEEZED CSG LEAK W/70SX CMT @ 3,000 PSIG. WOC 12.5 HRS. RAN CMT BOND LOG. NO CMT FR/6,800'-7,210'. POH W/RTTS PKR. PERFD 2 HOLES @ 7,210'.
07/09/66 TIH W/PKR. SET PKR @ 7,178'. SQUEEZED PERFS @ 7,210' W/100SX CLASS "C" CMT W/0.5% HALAD-9. POH W/PKR. TIH W/3-7/8" BIT. DRLD CMT FR7,205'-7,210'. FELL OUT OF CMT TO 7,410'. TSTD CSG TO 1,500 PSIG. HELD OK.
07/10/66 SPOTTED 500 GALS 15% REG ACID IN CSG. POH. PERFD DAKOTA FR7,390'-84' & 7,376'-73' (3 JSPF). F. W/36,000 GALS WTR & 30,000# 20/40 SD @ 32.2 BPM & 4,000 PSIG. ISIP 1,500 PSIG. 5" SIP 1,300 PSIG. DISPLACED FRAC W/500 GALS 15% ACID. COULD NOT SET BP FOR 2ND STAGE DUE TO SD IN CSG. TIH W/3-7/8" BIT. CO TO 7,410'. POH.
07/11/66 SET CIBP @ 7,350'. PERFD DAKOTA FR7,289'-81' W/3 JSPF. BROKE DWN PERFS W/500 GALS HF ACID & 4 BS. F. W/36,000 GALS WTR & 30,000# 20/40 SD @ 42 BPM & 4,200 PSIG. ISIP 1,900 PSIG. 5" SIP 1,700 PSIG. SET CIBP @ 7,260'. PERFD DAKOTA FR7,222'-12' (3 JSPF). BROKE DWN PERFS W/500 GALS HF ACID & 4 BS. F. PERFS FR7,212'-22' W/34,000 GALS TREATED WTR & 30,000# 20/40 SD @ 51 BPM & 4,200 PSIG. ISIP 2,000 PSIG. 5" SIP 1,800 PSIG.
07/12/66 DRLD BP @ 7,260' & 7,350'. CO TO 7,410'. TIH W/2-3/8" TBG W/B&R "F" NIPPLE ON BTM. LANDED TBG @ 7,348'.
08/05/66 F. 2,839 MCFPD (AOF).
01/01/98 CTOC ASSUMED OPERATIONS.
09/21/98 MIRU SU. BFL 5,000' FS. S. 1 BO, 4 BW, 2 HRS (2 RUNS). FFL 5,500' FS. WELL KO FLWG TO TNK. WELL FLWD 4 HRS. SWIFPBU.
09/22/98 OWU. WELL KO FLWG TO PIT. FLWD 2 HRS. SWIFPBU. RDMO SU.

