Form 9–331
Dec. 1973

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1840' FNL & 790' FEL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

5. LEASE
NOO-C-14-20-5245

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Allottee

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FBD Com

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Bisti Lower Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21, T25N, R11W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6448' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☒
SHOOT OR ACIDIZE	☐		☒
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) log, swab, test			

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

per attached.

RECEIVED
JUN 11 1982
OIL CON. COM.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Kevin H. McCord TITLE Engineer DATE June 7, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD
JUN 10 1982
FARMINGTON RESOURCE AREA
BY Smm

*See Instructions on Reverse Side

NMOCC

ROBERT L. BAYLESS
PETROLEUM CENTER BUILDING
P. O. BOX 1541
FARMINGTON, NEW MEXICO 87401
(505) 326-2659

FBD COM #1
1840' FNL & 790' FEL
Section 21, T25N, R11W
San Juan County, N.M.

Daily Report

05-18-82 Move in, rig up completion unit. Trip casing scraper and bit in hole with 2-3/8" tubing. Tag cement above D.V. tool at 3932' RKB. Drill cement and D.V. tool, trip tubing to bottom, tag PBTD at 5021' RKB. Pressure test casing to 3500 psi; held okay. Move tubing to 4944'. SDFN.

05-19-82 Rigged up The Western Co. Spotted 250 gallons of 7½% D.I. HCL acid over perforation interval. Tripped tubing out of hole. Rigged up Blue Jet, ran Gamma Ray-Collar Locator log from PBTD of 5009' to 4600'. Ran Cement Bond log variable density log over the same interval. Bond looked very good. Perforated Lower Gallup interval with 3-1/8" casing gun (.45" bull jet charges) at 2JSPF as follows:

4906-4915 ft.	9'	18 holes
4932-4944 ft.	12'	24 holes
Total:	21'	42 holes

Rigged up The Western Co. Broke down perforations at 1900 psi. Established rate into perforations of 24 BPM @ 1600 psi. ISIP=600 psi (then a vaccum) 17 perfs open. Acidized formation down the casing with 500 gallons of 15% HCL weighted acid and 68 RCN ball sealers, 15.5 BPM @ 750 psi; no ball action seen. Balled off casing to 3500 psi. Rigged up Blue Jet and ran junk basket to bottom to recover ball sealers. Recovered 68 ball sealers, 42 with perforation marks. Rigged up The Western Co. and fracture stimulated Lower Gallup interval with 50,000 gallons of 30#/1000 gal. cross linked gel containing 600 scf/bbl CO_2 and 65,000 lbs. 20/40 mesh sand as follows:

25,000 gal pad	30 BPM @ 1100 psi
5,000 1 ppg 20/40 mesh sand	30 BPM @ 1100 psi
5,000 2 ppg 20/40 mesh sand	30 BPM @ 1100 psi
10,000 3 ppg 20/40 mesh sand	30 BPM @ 1100 psi
5,000 4 ppg 20/40 mesh sand	30 BPM @ 1100 psi
3,276 flush with 2% KCL water	30 BPM @ 1100 to 1250 psi

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FBD Com #1

05-19-82, cont.

ISIP = 550 psi
5 min. = 550 psi
10 min. = 500 psi
15 min. = 450 psi

Average rate 30 BPM; average pressure 1100 psi; maximum pressure 1250 psi; minimum pressure 1100 psi. CO_2 to recover 47 tons; load fluid to recover 1181 bbls. Shut in to allow fracture to heal.

05-21-82 14 hr. shut in: slight blow of gas, no pressure buildup. Rigged up Blue Jet and ran wireline, set HOWCO drillable bridge plug. Set plug @ 4880' RKB. Rigged up The Western Co. Tested plug and casing to 3500 psi; held okay. Perforated Upper Gallup interval with 3-1/8" casing gun and 2JSPF as follows:

4812-4824 12' 24 holes (.45" diameter)

Broke down perforations @ 1400 psi. Established injection rate into perforations of 22 BPM @ 2600 psi. ISIP=850 psi (6 perforations open). Fracture stimulated Upper Gallup interval with 14,000 gallons of 70 quality foam with 30,500 lbs. 20/40 mesh sand as follows:

500 gal.	15% HCL acid spearhead	
4,500 gal.	70 quality foam pad	25 BPM @ 2800 psi
1,000 gal.	1 ppg 20/40 mesh sand	25 BPM @ 2700 psi
1,000 gal.	2 ppg 20/40 mesh sand	25 BPM @ 2700 psi
2,500 gal.	3 ppg 20/40 mesh sand	25 BPM @ 2700 psi
5,000 gal.	4 ppg 20/40 mesh sand	25 BPM @ 2800-3000 psi
3,213 gal.	70 quality foam flush	25 BPM @ 2800 psi

ISIP = 2400 psi
5 min. = 2100 psi
10 min. = 2050 psi
15 min. = 2050 psi

Average rate 25 BPM; average pressure 2800 psi; maximum pressure 3000 psi; minimum pressure 2650 psi; nitrogen rate 16,800 scf/min. Total nitrogen pumped 288,960 scf; total load to recover 237 bbls. Let fracture heal for 3 hrs. Opened well to the atmosphere through 2" x 1" swedge. Well blowing to the pit to cleanup. SDFN.

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05-22-82 Well slightly blowing dry gas. Well had made some oil. Shut in @ 2:00 p.m.

05-23-82 Well checked @ 4:00 p.m. (26 hr. buildup). 100 psi buildup; blow off dry gas buildup; no fluid seen. Shut in well @ 4:30 p.m.

05-24-82 Shut in.

05-25-82 Moved in completion rig. Tripped tubing to bridge plug @ 4880 ft. Pulled 2 stands; swabbed upper Gallup zone. Recovered oil and est. 20 MCFGPD.

05-26-82 Swabbed upper Gallup zone. Recovered approximately 92 bbls. of fluid for the day. Approximately 50 bbls. of oil. Approximate final fluid entry rate into wellbore was 18 BFPD with an 80% oil cut (14 BOPD). Estimated gas flowrate 40-50 MCFGPD (orifice tester).

05-27-82 13 hour overnight shut-in casing pressure was 330 psi. Initial fluid level @ 4000 ft. Swabbed well dry in 2 swab runs; recovered 2 bbls. oil. Started drilling on bridge plug @ 4880 ft. Bridge plug fell to lower Gallup perfs and stopped. Could not drill remainder of plug due to lost circulation losing drilling water to lower Gallup perfs. Rigged up the Western Co. nitrogen pump; drilled remainder of plug and cleaned out to PBTD with nitrogen. Trip out of hole with tubing. Tripped in hole and landed 2-3/8" tubing @ 4980 ft. as follows:

Description	Length	Depth
KB to landing point	10.00	0-10
153 jts. 2-3/8" 4.7# J-55 8rd, EUE new tubing	4965.03	10-4975
one 25/32" seating nipple	1.10	4975-4976
2-3/8" perforated sub	3.10	4976-4979
Bull plug	.50	4979-4980

SDFN

05-28-82 Eleven hour overnight shut-in tubing pressure was 320 psi. Annulus pressure 320 psi. Rigged to swab. Initial fluid level at 3300 ft. Swabbed 26 bbls. of fluid in 2 hrs. Fluid was gas cut and had a 5% oil cut (120 bbls. of water were lost to formation while drilling bridge plug). Rigged down completion unit. Waiting on swab rig.

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06-03-82 Move in swab unit. Annulus pressure 470 psi. Well flowed for 15 minutes on its own, approximately 15 bbls., 50% oil cut. Initial fluid level was 3500 ft. from surface. Swabbed entire day; recovered approximately 81 bbls. of fluid; fluid rate into wellbore was 8 to 9 bbls/hr. at an approximate 80% oil cut. Well was producing gas at approximate rate of 40 MCFPD. Fluid level remained constant at 3500 ft. from surface.

06-04-82 Overnight pressures: annulus 540 psi; tubing 140 psi. Well blew down in 25 minutes. Initial fluid level at 3500 ft. Recovered 60 bbls. of fluid at approximate oil cut of 80%; recovered 46 bbls. of fluid at approximate oil cut of 5%. Well showed no significant gas shows after initial blowdown in the morning. Fluid level remained relatively constant at 3500 ft. from the surface. Annulus pressure remained at 425 psi while swabbing. Approximate fluid rate into wellbore was 12 bbls./hr. Approximate fluid recovered for the day: 50 bbls. oil, 56 bbls. water. Released swab rig at 5:00 p.m. 06-04-82. Waiting on pumping unit to pump test.