

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

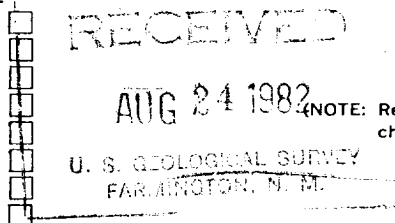
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1050' FNL & 640' FWL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☒  
SHOOT OR ACIDIZE ☒  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) run tubing, swab

SUBSEQUENT REPORT OF:



5. LEASE  
Contract 65

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Jicarilla 65 B

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
West Lindrith Gallup/Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15, T25N, R4W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7118 GL

(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



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Robert L. Bayless TITLE Operator DATE 8/24/82  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

AUG 31 1982

\*See Instructions on Reverse Side

NMOCC

FARMINGTON DISTRICT  
BY Sm

ROBERT L. BAYLESS

PETROLEUM CENTER BUILDING

P. O. BOX 1541

FARMINGTON, NEW MEXICO 87401

(505) 326-2659

JICARILLA 65 #B-1  
1050' FNL & 640' FWL  
Sec. 15, T25N, R4W  
Rio Arriba County, N.M.

08-02-82 Installed tubing head and nipped up B.O.P.'s. Tallied 114 jts. 2-3/8 EUE J-55 (new) tubing. Average length 32.38 - went in hole with 3-7/8" bit and casing scraper and 2-3/8 EUE Tubing drilled out 3/4 of 1st D.V. tool (Dowell) @ 3695 ft. Circulated hole for 2 hours with water. Shut-down rig (transmission problems).

08-05-82 Finished drilling out 1st D.V. Tool. Circulated hole clean, pressure tested casing to 3500 psi (Bleed back to 3475 in 10 minutes; we had two small leaks on the surface between well head and pump.) Reached cement on the 184 jt. (approx. 35' of cement above 2nd D.V. tool. Drilled out cement and D.V. tool (2 hours) pressure tested casing to 3500 psi for 10 minutes, held OK.

Rig shut-down (transmission problems).

08-06-82 Started up 8:00 p.m. Ran (total) 247 jts. to DFFC.

Rolled hole with 1% KCL. Spotted 500 gal. 7½% HCL Acid @ 7898 ft. (pipe T.D. 8034'). Tripped tubing out of hole. Rigged up Jetronics Wireline Services - ran Gamma Ray - CLL from PBTD of 8018' to 7600' and from 7200' to 6800'.

Perforated:	7721-7749	28 ft.	
	7851-7858	7 ft.	Total 48 ft, 48 perforations
	7885-7898	13 ft.	(1JSPF)

Rigged up Smith Energy. Broke down perfs @ 2400 psi. Established rate @ 22 BPM.

ISIP-1200 (17 perfs open).

Pumped 500 gallons of 7½% HCL w/72 7/8" RCN Ball sealers (1.1 Ball sealers) (920ISIP) 18 Bbls/min. @ 2000 psi. Shut down; leak in chikson. Start over; 500 gal. of 7½% HCL w/72 7/8" RCN Ball sealers (1.1 s.g. Balls). No Ball action. Balled off to 3500 psi. Rigged up Jetronics Wireline Service w/junk basket and gauge ring-retrieved balls.

Rigged up Smith Energy Co. to Frac. Fracture stimulated Dakota interval with 80,000 gallons of 40#/1000 gallons crosslinked gelled water containing 1% KCL, 2% diesel and carrying 154,000 lbs of 20-40 mesh as follows:

8,000 gal. gelled pad	BPM 30 @ 2150 psi
9,000 gal. 1 ppg 20-40 mesh sand	BPM 30 @ 2200 psi
8,000 gal. 2ppg 20-40	BPM 30 @ 2000 psi
8,000 gal. 3 ppg 20-40	BPM 30 @ 2100 psi
7,000 gal. 4 ppg 20-40	BPM 30 @ 2200 psi
8,000 gal. gelled pad for Stage 2 (containing 24-7/8" RCN)	BPM 30 @ 2600 psi
9,000 gal. 1 ppg 20-40 sand	BPM 30 @ 2900 psi
8,000 gal. 2 ppg 20-40 sand	BPM 29 @ 2800 psi
8,000 gal. 3 ppg 20-40 sand	BPM 30 @ 2900 psi
7,000 gal. 4 ppg 20-40 sand	BPM 30 @ 2900 psi
5,020 gal. slick water flush	BPM 30 @ 3100 psi

ISIP 2000 psi      5 min-1950 psi      10 min-1900 psi      15 min-1800 psi

Average rate 30 BPM - Average pressures 2500 psi. Maximum pressure 3100 psi. Minimum pressure 2000 psi. Total load fluid to recover 2305 BBLS. Rigged up Jetronics; set wireline retrievable bridge plug @ 7500' RKB - Pressure tested plug to 3500 PSI. For 10 min. Held OK. Pumped 3 sacks of sand on top.

08-09-82 Rigged up Jetronics Wireline Service Co. to perforate Lower Gallup Interval as follows:

7032-7044	- 12 ft.	.35 Hole Dia.
7048-7056	- 8 ft.	Total 56 ft., 56 perforations
7062-7098	- 36 ft.	(1JSPF)

Broke down perforations @ 2800 psi. Established rate @ 20 BPM, 2200 psi, ISIP, 1000 psi (17 perfs open). Acidized Lower Gallup Interval down casing with 1000 gallons of 7½% HCL containing 84 RCN Balls (15 BPM @ 1500 psi). Good Ball action. Balled off 3500 psi.

Rigged up Jetronics Wireline Service Co. Ran junk basket with gauge ring. Retrieved 83 RCN balls.

Rigged up Smith Energy Service Co. Fracture stimulated Lower Gallup interval with 80,000 gal. of 30#/1000 gal. crosslinked gelled water containing 1% KCL water, 2% diesel, carrying 120,000 lbs. 20-40 mesh sand as follows:

20,000 gal.	gelled pad	40 BPM @ 2000 psi
20,000 gal. 1 ppg	20-40 sand	41 BPM @ 1950-1750 psi
20,000 gal. 2 ppg	20-40 sand	40 BPM @ 1650-1900 psi
20,000 gal. 3 ppg	20-40 sand	40 BPM @ 1800-1950 psi
4,580 gal.	Slick Water Flush	41 BPM @ 1900-2250 psi

ISIP 900 psi      5 min. 800 psi      10 min. 800 psi      15 min. 800 psi

Average rate 40 BPM, average pressure 2000 psi. Max. pressure 2250 psi. Min. pressure 1650 psi. Fluid load recovery 2132 Bbls. Rigged up Jetronics Wireline Service Co. Ran retrievable bridge plug-tested to 3500 for 10 min. Held OK. Dumped 2 sacks of sand down casing let sand settle for 45 minutes.

08-09-82 Perforated upper Gallup interval as follows:

6803-6817	14 ft. (Note: This zone is off depth)
6938-6949	11 ft.
6962-6971	9 ft. Total 42 ft. - 42 perforations (1JSPF)
6975-6983	8 ft.

Attempted to perforate 6903-6917, could not due to sand fill at 6906. Rigged up Smith Energy. Attempted to pump into formation. Pressured well to 4000 psi. perforations did not break down (upper). Tripped in hole to check sand fill depth with Jetronics. Top of sand moved to 6723 (183 ft.)

Shut down for the night.

08-10-82 Tripped 2-3/8" tubing in the hole with a notched collar on bottom. Reached top of sand at 6585 ft. 138' of sand came into well-bore overnight with the well shut-in. Total 434.63 ft. of sand in well-bore (approx. 15 hrs.). Used rig pump. Reverse circulated (approx. 12 mins. bottoms-up). Need to clean up 13.5 Jts. Depth reached plug on 217th jt.

Rigged up Smith Energy. Pumped 2 sacks of sand down 2-3/8" tubing, on top of plug, pump 100 gallons of 7½% HCL @ 6983 ft. Tripped out of hole with 2-3/8" tubing.

Rigged up Jetronics Wireline Service. Perforated 6903-6917 14 ft., 14 perforations (1JSPF).

Rigged up Smith Energy Co. Broke down perforation immediately. Established rate of 20 BPM @ 1600 psi (40 perfs open).

ISIP 700 psi, acidized Upper Gallup interval with 1000 gal. 7½% HCL and 63 Ball sealers, some ball action pressure rose to 2200. Broke back to 900 psi. ISIP 600 psi (did not ball off).

Rigged up Jetronics, ran in hole with junk basket. Retrieved 0 balls, bridge plug moved down hole 13 ft. to 7033 ft., poured 15 gals. of sand down casing on top of plug (pumped sand down hole with 95 Bbls @ 750 psi. Shut-down 35 min. for sand to fall.

Rigged up Smith Energy Service Co. Started Frac 6:15 p.m. Fracture stimulated Upper Gallup interval with 56,000 gal. of 30#/1000 gal. cross linked gel water containing 1% KCL water, 2% diesel and 84,000 lbs 20-40 mesh sand, as follows:

14,000 gal. gel pad	40 BPM @ 1700 psi
14,000 gal. 1 ppg sand	38 BPM @ 1500 psi
14,000 gal. 2 ppg sand	40 BPM @ 1350 psi
14,000 gal. 3 ppg sand	40 PPM @ 1800 psi
4,490 gal slick water flush	40 BPM @ 2800 psi

08-10-82 ISIP 900 psi. 15 min. ISIP 600 psi. Average rate 40 BPM, average pressure (cont.) 2075 psi. Maximum pressure 2800 psi, minimum pressure 1350 psi. Load recovery 1688 Bbls.

7:30 p.m. Rigged up Jetronics, ran temperature log survey under shut-in pressure, tool was malfunctional came out of hole, waited on a new tool from Farmington, went in hole; this tool also was malfunctional, shut-down.

Waiting on clean-up.

08-11-82 Tripped in hole with 2-3/8" tubing to top of sand. Level in casing, 6960 ft. Reverse circulated with KCL water, return was frac gel with sand still in suspension. It was decided the gel needed more time to breakdown, so rig tripped 30 stands out of hole and shut-down for the day.

08-12-82 Tripped in hole to the top of the sand level @ 6850 ft. Reverse circulated the hole. After the first stand was cleaned out and while connection was being made, well began flowing. Cleaned out an additional 128' of sand and sat down on the plug at 7033'. Lost circulation, pulled up 60' and still had no circulation. Broke that connection off and pulled 1 stand when the well started flowing with good volume up through the tubing and casing. Hooked the pump back up and started reverse circulating. Recovered 29 frac balls. Pump pressure increased from 600 psi to 1000 psi when tubing sat down on plug.

Dropped tubing back down and sat on the plug latching on it it; again circulation was lost. Worked the pipe up and down trying to get circulation restored. It was thought the RCN frac balls might be plugging the stand pipe. Regained circulation and circulated the hole for 5 min. and then started out of the hole with plug. Plug was out of hole @ 5:45 p.m.; rubbers were in fair condition and one slip was flattened. The Retrieving head had two teeth chipped off.

Shut-down @ 6:10 p.m.

08-13-82 Tripped 2-3/8" tubing with bridge plug retrieving head in the hole and reached sand @ 7000' which is 30' above the bridge plug retrieved on 8-12-82. Had to clean-out 500' of sand before latching on to the bridge plug. Latched onto the bridge plug @ 2:00 p.m. and came out of the hole with the bridge plug. Went back in the hole with 1 Jt. 2-3/8" tubing and then an API seat nipple followed by 10 stands of 2-3/8" tubing. Shut down for the night.

08-14-82 The well was left open to the pit overnight. The Dakota was flowing and making a small amount of oil during the morning; killed the well with 50 Bbls of KCL water. Then tripped in the hole down to the DFFC with a total of 247 Jts. There was no sand in well bore. Pulled 9 Jts. out and thus putting the depth at 7748', which is in the top set

Robert L. Bayless  
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(cont.) of perfs in the Dakota Interval; which are at 7721' to 7749' (1JSPF). We hung the tubing off there and rigged up to begin swabbing the hole. Prior to being ready for swabbing to begin, the well began to flow; we had it choked back thru a 1" line for approximately 2 hours. It made 100 Bbls in the first 2- $\frac{1}{2}$  hours. Equalized the two frac tanks and allowing it to flow until Monday morning.

The well produced 100 Bbls of water in the first 2- $\frac{1}{2}$  hours of production. From 8:00 p.m. on 8/14 to 10:30 a.m. on 8/15 it made 160 Bbls; average of 11.43 Bbls/hours.

1 Jt. 2-3/8 EUE tubing	31.87'
1 API 2-3/8' Seat Nipple	.88'
237 Jts. 2-3/8 EUE Tubing	7702.00'
KB correction	13.00'