

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

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 ☐ gas ☒ other ☐

2. NAME OF OPERATOR

J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 507, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1725 FNL & 800 FEL

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:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Drilling & Completion ☒

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.)*

See attached.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Steven J. Merrion TITLE Engineer

DATE January 17, 1980

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

ACCEPTED FOR RECORD

JAN 17 '80

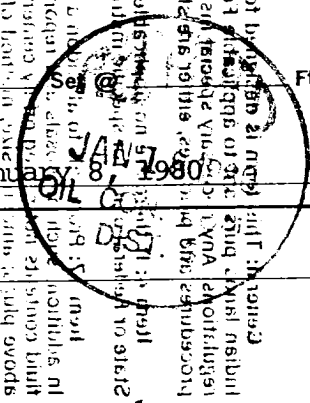
BY _____
DISTRICT _____

*See Instructions on Reverse Side

state

5. LEASE NM 03992
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME East Lindrith
9. WELL NO. 4
10. FIELD OR WILDCAT NAME Blanco South
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Section 26, T24N, R2W
12. COUNTY OR PARISH Rio Arriba
13. STATE N.M.
14. API NO.
15. ELEVATIONS (SHOW DE KDB AND WD) 7410 G.R.

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

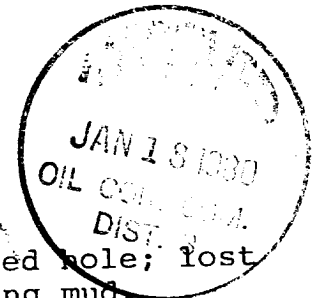


WELL HISTORY

MERRION & BAYLESS
East Lindrith No. 4
NM-03992

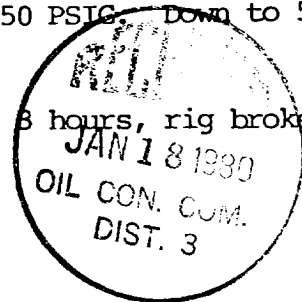
SE/NE Section 26, T24N, R2W
Rio Arriba County, New Mexico

10-24-79 Move in, rig up Wilson Drilling Co.
10-25-79 Spud 9-3/4" hole to 95 ft. Set 95 ft. of 7", 23 lbs/ft surface casing.
10-26-79 Drilling out from under surface.
10-27-79 Drilling @ 910 ft.
10-28-79 Drilling @ 1560 ft.
✓ 10-29-79 Drilling @ 2380 ft.
10-30-79 Trip at 2540 ft.
10-31-79 Drilling @ 2650 ft.
11-01-79 Drilling @ 2980 ft.
11-02-79 Drilling @ 3240 ft.
11-03-79 Lost circulation at 3260 ft., regained.
11-04-79 Bit plugged with LCM, making trip.
11-05-79 Attempting to get back to bottom; hole heaving and tight.
11-06-79 Lost circulation for past 24 hours. Approximately 650 bbls. pumped away, no returns.
11-07-79 Still lost circulation. Attempting to spot cement plug.
11-08-79 Shut down, mud and snow, roads impassible.
11-09-79 Shut down, mud and snow, roads impassible.
11-10-79 Shut down, mud and snow, roads impassible.
11-11-79 Shut down, mud and snow, roads impassible.
11-12-79 Shut down, mud and snow, roads impassible.
11-13-79 Started operations @ noon yesterday; re-entered hole; lost 180 bbls mud @ 800 ft. Reaming hole and mixing mud.
11-14-79 Reached old TD of 3260 -- could not circulate, started drilling blind.



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East Lindrith #4
Well History
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- 11-15-79 Reached TD @ 3351 ft. while drilling with no circulation since 3260 ft. Hole in very poor condition and unable to run open hole logs. Trip out laying down drill pipe.
- 11-16-79 Finished laying down drill pipe. Cut saw tooth end on shoe joint and started running 3-1/2", 9.2#, K-55, buttress thread casing. Hit first bridge at 550' and started rotating casing. Circulated through bridges from 535 to 1000 ft. Ran free to 1900 ft. Circulated through bridges to 2400 ft. Ran free to bottom. Rotated and cleaned out to 3350 ft.
- 11-17-79 Landed casing @ 3357 ft K.B. Rig up Dowell and cemented with 50 sx RFC Thixotropic cement with 25 lbs/sx gilsonite followed by 100 sx 50-50 Class 'H' and pozmix with 2% gel and 25 lbs/sx gilsonite and 1/4# celoflake. Used hesitation squeeze technique while placing cement. Attempted to seal off loss circulation zone. Staged plug displacement over 2-1/2 hr. period. Displaced plug at 3345 ft. at 5:00 a.m. Bumped plug w/ 1000 PSIG. Bled back and held okay. No circulation established during cement job. Well on vacuum throughout job.
- 11-19-79 Ran temperature survey from surface to 3345 ft. Found top of cement at 3250 ft. WOCT.
- 11-26-79 Rig up Blue Jet, ran cement bond log. Found PBTD 3351 ft. K.B. Top of cement @ 3205. Good bond from 3205 to 3250, excellent bond from 3250 to 3351. Ran Gamma Ray - Collar - Neutron log from 3351 ft. K.B. to 2000 ft. K.B. Top of Pictured Cliffs @ 3290 ft. Welder installed 3-1/2" NUE 10rd collar @ surface. Made up valve and shut in well.
- 12-03-79 Rig up Western Co. Pressured casing to 4000 PSIG, held ok. Rig up Blue Jet. Perforated 3 holes 3340, 3343, 3346 per correlation log. Broke down w/ water, rate 11 BPM, pressure 1850 PSIG. Estimate 3 holes open. ISDP 150 PSIG. Perforated 5 holes 3298, 3301, 3306, 3316, 3324 per correlation log. Broke down rate 18 BPM, pressure 1000 PSIG. Estimate all 8 holes open. Fracked w/ 500 gals 15% acid, 40,000 lbs. 10/20 sand, 924 bbls. water w/ 2-1/2 lbs/1000 gal FR-2, 1 gal/1000 Clay Stabilizer in pad, 1.4 gal/1000 adomal, 1/2 gal/1000 gal adicide. ISDP 150 PSIG. Down to 50 PSIG in 1/2 min. Shut in.
- 12-7-79 Move in, Rig up C & C Oil Field Services. Swabbed 8 hours, rig broke down.
- 12-8-79 Rig broke down.
- 12-9-79 Rig broke down.
- 12-10-79 Fixed rig. Hung up swab, worked for 3 hours trying to free swab.
- 12-11-79 Shear off to swab mandrel. Depthometer out, mandrel @ 3263 ft. Retrieved sinker bar, and line. Released rig. Waiting on workover rig.



- 04-21-80 Ran sinker bar. Found swab and mandrell at 3267'. Fluid level at 2500'. Rig down. (JCA)
- 04-22-80 Swabbed 10 runs. Brought back 20 bbls of frac water and sand. Swab cup sanded up. Rigged down. (JCA)
- 05-07-80 Rigged up Flint. Ran sinker bar. Found fill @ 982'. (JCA)
- 05-08-80 Ran sinker bar. Found fill @ 982'. Ran 1-1/2" EUE tubing string & Dotco fishing tool to 3294'. Circulated with pump truck while turning to the right. Pressured to 1800 PSI. Tripped tubing. (JCA)
- 05-09-80 Ran sinker bar. Found bottom @ 3293'. Ran 1-1/2" EUE string and Dotco grabber tool. Tripped tubing and shut in. (JCA)
- 06-04-80 L & B Speed Drill drilled up and circulated out all of swab mandril and rubbers with possible exception of bottom swab nut. Cleaned out to PB depth but could not circulate through perf zone and lost 60 bbls. water. Pulled 3 jts. of tubing and kelly length (109') and left tubing in hole. Bit sub and drag wing bit on tubing.
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- RED NOTE: Bit will not clear wellhead; will need to strip off head.
- Remaining in hole: 100 jts. tubing plus sub plus bit.
- Well now ready to kick off and place on production. (RLB)
- 07-07-80 Move in. Rig up. Action Swab Co. Run sinker bar with depthometer. Found TD @ 3250'. Fluid level @ 2000. Well dead. SDON. (JCA)
- 07-08-80 Ran in with Swab Cup. Paraffin Plug @ 600'. Worked through cutting with 20 Gals. diesel. Swabbed 16 runs pulling 1000' of fluid. Brought back 35 Bbls. of fluid. Slight show of gas. TSTM. SDON. (JCA)
- 07-09-80 Swabbed 11 runs pulling 1000' of fluid gas cut. Brought back 25 Bbls. Casing pressure 310 PSIG. Tubing pressure 195 PSIG. After swabbing dropped to 155 PSIG. on casing. SDON. (JCA)
- 07-10-80 Casing pressure 300 PSIG. Tubing pressure 230 PSIG. swabbed 26 runs pulling 500' of gas cut fluid. Brought back 20 Bbls. fluid. Casing pressure dropped to 100 PSIG. Blowing estimated 50 MCF to atmosphere. Possible sand off across perms. Rig down. Move off. (JCA)
- 07-22-80 Move in rig up L & B Speed Drill. Tag fill with bit on 1-1/2" tubing @ 3330'. Estimated 30' of fill in wellbore. Lay down 10 jts. SDON. (JCA)
- 07-23-80 Come out of hole with 1-1/2" tubing and bit. Retally. SDON. (JCA)