

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

J. Gregory Merrion & 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: 1850 FNL & 790 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:

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 procedure

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5. LEASE

NM 014773

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Lindrith Com

9. WELL NO.

2

10. FIELD OR WILDCAT NAME

Gavilan Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 20, T26N, R2W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7322' G.L.

(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.)*

See attached.



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

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

SIGNED

[Signature]

TITLE

Engineer

DATE

9-26-80

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

NMOCC

MERRION & BAYLESS
NORTH LINDIRTH COM. #2
Section 20, T26N, R2W
1850 FNL & 790 FWL
Rio Arriba County, New Mexico
NM-014773

DAILY REPORT

- 07-30-80 Move in rig up James Drilling Company 7-29-80. Spudded 9" hole to 101 ft., set 96 ft., of 7", 23 lbs/ft, used J-55 casing @ 101 ft. and cemented with 50 sx. class 'B' 3% CACL₂. WOC.
- 07-31-80 Drilling @ 1172 ft., tripping.
- 08-01-80 Drilling @ 1850 ft., tripping out.
- 08-04-80 Drilling @ 3240 ft., ready to trip.
- 08-05-80 Drilling @ 3500 ft.
- 08-06-80 Drilling @ 3660 ft., running in with new bit.
- 08-07-80 Reached T.D. of 3900'. Preparing to lay down drill pipe. Pulled into tight spot 25 feet off bottom and unable to pull free. Rigged up Brand X. Determined free point. Ran string shot and backed off @ 3700 ft. Tripped out with drill pipe and one drill collar. Left 7 collars and bit in hole. Waiting on tools. (SSD)
- 08-08-80 Rigged up Dotco hydraulic jars and double bumper subs. Ran 8 drill collars and accelerator sub with drill pipe on top. Tripped in and screwed into fish. Bumped fish and came free. Circulated to clean hole and rotated through tight spot to clean up. Went to bottom and circulated 2-1/2 hours. Layed down drill pipe. Rigged up casing crew and started running casing. (SSD)
- 08-09-80 Ran 1 2 jts. 4-1/2", J-55, range 2 casing to 3887 K.B. Broke circulation w/ rig pump. Rigged up Dowell and cemented w/ 200 sx class 'H' w/ 2% D-79 followed by 100 sx class 'H' neat cement. Lost circulation when started displacement. 10% returns throughout displacement. Bumped plug w/ 1000 PSIG. PBTD @ 3855' K.B. Released pressure, float held. Job completed 8:30 A.M. Released rig. WOCT. (SSD)
- 09-16-80 Rig up Blue Jet and Western CO. Perforated Pictured Cliffs 3810-20 ft. w/ 1 PF 3-1/2" glass jets, 10 holes. Pressured up to 2900 PSIG, unable to break down. Ran glass bottom dump bailer filled with acid. Worked through tight spot @ 93 ft. Spotted acid across perfs. Pressured up to 2850 ft., unable to break down. Made second dump bailer run and spotted acid on perfs. Broke down perfs. Spotted 250 gals. 15% HCL across Pic. Cliffs. Perforated 3762-94' w/ 1 PF 3-1/2" glass jets, 32 holes. Established rate 25 BPM, estimated 20 holes open. Began frac and screened out w/ 7700 lbs. 10/20 sand in formation, 3150 lbs. in casing. Flowed back, well died. Shut in, released equipment. (SSD)

Merrion & Bayless
North Lindrith #2
Section 20, T26N, R2W
Rio Arriba County, N.M.
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- 09-18-80 Move Flint to location. Broke down on way, did not get to location. SDON. (SSD)
- 09-19-80 Move in, rig up Flint rig 2061. Start in hole w/ pipe @ 1:00 P.M. Tagged sand @ 104 jts in. Cleaned out to 112 jts. 3618 ft. tally length. SDON. (SSD)
- 09-20-80 Finish clean out to 3865 ft. K.B. Shut down @ 11:30 a.m. and worked on rig remainder of day. SDOWE. (SSD)
- 09-22-80 Crew arrived on location 9:30 a.m. Trip out w/ 1-1/2" tbg. Rig up casing scraper and model 'R' packer. Trip to bottom. Swept hole clean. Spotted 250 gals 15% HCL across perfs. Set packer @ 3802 ft. K.B.; packer would not hold. Trip out. SDON. (SSD)
- 09-23-80 Rig up Western Co. and Blue Jet. Re-perforated Pictured Cliffs 3789-94' & 3815-20' w/ 2 PF 3-1/2" glass jets. Established injection rate. Fraced Pictured Cliffs w/ 39,000 lbs 10/20 sand, 1043 bbls. slick water w/ 1/4 gal./1000 bactericide, 1% KCL, 1 gal./1000 gal foaming agent. Avg. injection rate 33 BPM, avg. treating pressure 450 PSIG. Dropped 5 ball sealers. ISDP - 450 PSIG, final shut in 300 PSIG in 15 min. Set Baker retrievable bridge plug @ 3610 ft. Dumped 5 gal sand. Pressure tested to 2800 PSIG, ok. Perforated Puerco 3571-82' w/ 2 PF 3-1/2" glass jets, total 22 holes. Broke down perfs and bullheaded 250 gals. 15% HCL to perfs. Unable to get proper rate-pressure response. Re-perforated Puerco, 3571-82' w/ 2 PF 3-1/2" glass jets. Still not able to pump in properly. Trip in w/ 1-1/2" tbg. Tagged sand fill @ 3590 ft. SDON. (SSD)
- 09-24-80 Cleaned out frac sand to 3598 ft. Picked up to 3588 ft. Spotted 250 gals. 15% HCL across perfs. Tripped out w/ tubing. Rig up to frac. Sanded off frac. Had established 15 BPM rate @ 1100 PSIG, when sand hit formation, screen out occurred. Ran in and reversed hole clean. Trip out w/ tubing. Established injection rate 6 BPM @ 2900 PSIG. Shut down, unable to frac at max. pressure. (SSD)
- 09-25-80 Trip in w/ tubing. Tagged sand fill @ 55 stands in, 5560 ft. K.B. Circulated sand out of hole. Spotted 250 gals 15% HCL and loaded hole w/ 30 lb. gelled 5% acid water. Trip out w/ tubing. Fraced Puerco formation. w/ 387 bbls 30 lb. gelled 5% acid water and 10,000 lbs 40/60 sand. Avg. rate - 14 BPM, avg. pressure - 1100 PSIG, ISDP - 650 PSIG. Final shut in 300 PSIG in 15 minutes. (SSD)