

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
Bolack Minerals Co.
3. ADDRESS OF OPERATOR
P.O. Box 255, Farmington, N.M. 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 860' fN1, 1110' fW1
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) ☐

SUBSEQUENT REPORT OF:

- ☒
☒
☒
☐
☐
☐
☐
☐
☐

RECEIVED
MAR 7 1983

(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.)*

Operator completed well in accordance with the attached completion report.

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

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

SIGNED W. R. Speer TITLE Agent DATE March 7, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NOTED FOR RECORD

*See Instructions on Reverse Side

NMOCC

Elliott

Jan. 22. Depth 6180 ft. Total Depth. Running Schlumberger gamma-ray
SAT. log inside drill pipe. Bit no. 5 (7 7/8" Smith F-2) made
2053' in 108½ hrs. Mud wt. 9.1, visc. 62 sec., W.L. 6 cc.

Jan. 23 Depth 6180 ft. T.D. Waiting on completion tools.
SUN. Ran Schlumberger gamma-ray log to T.D. inside drill pipe.
Circulated hole and lowered mud viscosity to 40 sec. Laid
down drill pipe. Ran 157 jts. (6176.54') 4½", 11.6 lb.,
N-80, LT&C, 8-rnd. casing with 12 centralizers and set at
6172'. Cemented in two stages with Halliburton Co. Stage 1:
250 sacks (305 cu.ft.) class H cement with 2% gel, max. cem.
press. 500 psi. Opened Howco D.V. tool set at 5047' with
1600 psi and cemented Stage 2: 650 sacks (1300 cu.ft.) class
H Econolite cement and 100 sacks (122 cu.ft.) class H cement
with 2% gel, Max. cem. press. 1150 psi. Top of cement by
temperature survey 750'. 4½" casing set in hanger with
60,000 lbs. tension and cut off. Released rig at 0400 hrs.,
1/23/'83. Waiting on completion tools.

Feb. 28. Rig Up Star W completion unit. Install drilling cross and
MON. b.o.p. Unload 208 jts. 2 3/8" ewe 4.7 lb./ft. J-55 tubing.
Pick up 3 3/4" Varel bit, casing scraper and bit sub on
tubing and go in hole. Tag cement at 5034'. Rig up power
swivel and establish reverse circulation. Drill cement from
5034' to 5045'. Drill DV tool 5045' to 5047'. Continue in
hole and tag p.b.t.d. at 6126'. Circ. hole with 2% KCL water.
Pull out of hole. Shut-in for night.

March 1. Rig up Dresser Atlas cased hole unit. Ran CBL-VDL-GR-CCL log
TUES. from logger from logger t.d. 6112 to 5000'. Rig up Dowell
and pressure test casing to 4500 psi, for 25 min., held OK.
Perforate Gallup with one shot each at: 5796, 5804, 5840,
5841, 5844, 5845, 5846, 5847, 5848, 5849, 5850, 5851, 5852,
5869, 5871, 5883, 5885, 5953, 5955, 5957, 5984, 5986, 6022,
6024, 25 total holes, 0.35" i.d. No well reaction while
perforating. Pick up Baker Packer assembly, trip in hole
to 5700'. SDFN.

MARCH 2. PBTD 6126'. Rig up Dowell. Used Baker Straddle Packer on
WEDS. 2 3/8" tubing to isolate and acidize with 7½% HCL acid, the
following perforations by Dresser Atlas Gamma-ray CBL log:

Perf. interval	No. perfs.	Gal. Acid	ISIP (psi)
6022-24	2	200	650
5984-86	2	200	1150
5953-57	3	300	1200
5869-85	4	400	350 (communicated)
5840-52	11	1100	450
5796-5806	3	300	
TOTAL	25	2500 gal.	

Cont.

MARCH 2.
WEDS.

Pull tubing to 5947', rig up Dowell Nitrogen. Unload water from hole at 2400 psi max. pressure. Pull out of hole and lay down Baker Packer assembly. RU Dowell and frac Gallup formation with 178,000 gal. 70% foam and 161,000 lbs. 20/40 sand as follows:

40,000 gal. PAD 35 bpm @ 3500 psi
20,000 gal. @ $\frac{1}{2}$ lb. 20-40 37 bpm @ 3600 psi
40,000 gal. @ 1 lb. 20-40 37 bpm @ 3500 psi
74,000 gal. @ $1\frac{1}{2}$ lb. 20-40 37 bpm @ 3500 psi
3,840 gal. flush 20-40 37 bpm @ 3650 psi
ISIP 2600 psi decrease to 2300 psi in 15 mins.
and 2000 psi in 2 hrs. Opened well to pits to flow overnite.

MARCH 3
Thur.

Checked 11 $\frac{3}{4}$ hr. flowing casing pressure at 100 psi. Unloaded heavy water mist with very small amount oil. Removed $\frac{1}{2}$ " choke and allowed well to flow through 2" line to pits. Fluid returns began to slug oil and water for 45 min. and then changed to heavy oil-water mist. Well blowing too hard to get accurate oil cut. Casing pressure was too small to measure.

MARCH 4
Fri.

Checked well flowing gas at 140 MCFPD. Liquid recovery for last 20 hrs. was 16 bbls., unable to determine oil cut. Killed well, removed B.O.P. and drilling head. Installed Hercules tubing head and replaced B.O.P. Ran 2 $\frac{3}{8}$ " tubing and tagged T.D. at 6090'. Pulled tubing off bottom and landed in tubing hanger with 189 joints in hole. 2 $\frac{3}{8}$ ", 4.7 lb. J-55, EUE tubing set at 5993' with seating nipple set one joint off bottom at 5962'. Removed B.O.P. and installed master valve. Checked casing pressure at 125 psi and opened tubing to flow to pit. Swabbed two runs and well started to flow. Flowed $1\frac{1}{2}$ hr. recovering 30 bbls. load oil, then died. Swabbed again and well flowed water with increasing oil cut for 1 hr. Total recovery since flow began 40 bbls. All load recovered. Shut well in overnight.

MARCH 5
Sat.

Checked 14 hr. shut-in casing pressure at 825 psi, tubing pressure at 400 psi. Opened tubing to atmosphere flowing oil for 1 min., then steady stream of frac water. Casing gas unloaded and well flowed strong oil-water mist for 1 hr. with casing pressure decreasing to 400 psi. Continued decreasing flow until dead after $1\frac{1}{2}$ hrs. Made nine swab runs over $5\frac{1}{4}$ hr. period with initial fluid level at 3200' and subsequent levels variable due to gas in column. Initial casing press. 400 psi, final 125 psi. Recovered approximately 32 bbls. fluid with 35% oil cut and very good gas show throughout. Shut well in and released Star W completion unit. Will clear location for rigging surface equipment to test well.
