

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Navajo 14-20-603-5024

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Navajo Tract 20 - 31

9. WELL NO.

31

10. FIELD AND POOL, OR WILDCAT

Pajarito

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

Sec. 31, T 29 N - R 17 W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Drilled and Cased.

2. NAME OF OPERATOR

Vista Resources, Inc.

3. ADDRESS OF OPERATOR

237 Eubank Blvd. N.E. Suite B, Albuquerque, New Mexico 87123

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

660' FNL 1980' FEL
Section 31, T 29 N - R 17 W
San Juan County, New Mexico

14. PERMIT NO. E.A. Schmidt
May 17, 1978

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5179' GL 5195' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Running & Cmtg. 4 1/2" production liner. ☒

REPAIRING WELL ☐

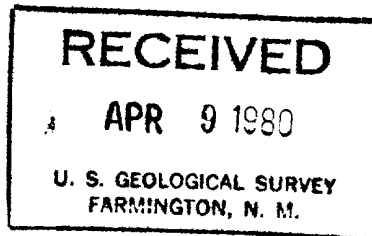
ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Copies of drilling reports attached.



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

SIGNED

[Signature]

TITLE Secretary-Treasurer

DATE 4/8/80

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAY 13 1980

NMOCCA

*See Instructions on Reverse Side

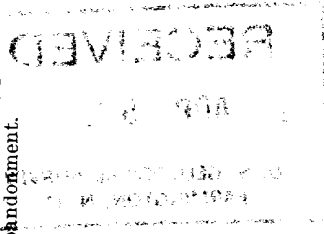
FARMINGTON DISTRICT
BY *[Signature]*

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.



DAILY DRILLING REPORT

Prospect Name: Pajarito

Well Name: Navajo Tract 20 - #31-31

Location: 660' FNL 1980' FEL - Section 31, T 29 N - R 17 W

San Juan County, New Mexico

Well Type: Wildcat Development Field Extension Other

Objective Zones: Pennsylvanian Paradox Formation

Projected Depth: 7300' Elevations: 5179' GL 5195' KB

Contractor: Loffland Bros. Company - Rig #211

Spud: 1:00 a.m. 3/1/80 Completed: Status:

| DATE | DEPTH | DETAILS |
|---------|-------|--|
| 2/05/80 | | Preparing access road and location. |
| 2/08/80 | | Access road and location complete. Waiting on rotary tools. Expect to begin move in Monday, February 11. |
| 2/14/80 | | Moving in rotary tools. Prep to begin rigging up tomorrow a.m. |
| 2/15/80 | | Shut down due to inclement weather. |
| 2/19/80 | | Waiting on remainder of rig to be moved from previous location. |
| 2/21/80 | | Moving in 9 5/8" surface casing. Remainder of rig not yet moved from previous location due to rain and mud. |
| 2/25/80 | | Expect to begin moving remainder of rig this p.m. |
| 2/26/80 | | Moving remainder of rig from previous location. Expect to begin rigging up tomorrow a.m. |
| 2/27/80 | | Rigging up rotary tools. |
| 2/28/80 | | Rigging up rotary tools. |
| 2/29/80 | | Rigging up rotary tools. Expect to spud conductor hole this p.m. |
| 3/01/80 | 77' | Drilling. Spudded 17 1/2" conductor hole at 1:00 a.m. 3/1/80. Report time is 6:00 a.m. |
| 3/02/80 | 223' | Prep to run 13 3/8" conductor casing. Made 146 feet. |
| 3/03/80 | 223' | Nippling up BOP. Ran 5 jts. 13 3/8" 48 # H-40 ST&C casing. Set at 202' KB. Rigged up Dowell. Cmt'd. w/220 sx Cl B + 2% CaCl. Cement circulated. WOC. Cut off csg. and nipped up Hydril and choke lines. Expect to begin drilling at 7:00 a.m. |
| 3/04/80 | 1235' | Drilling. Hrs.: Drlg.- 18 3/4, Drlg. 76' cement - 1 1/2, Survey - 1, Trips - 1/2, Finish Nipple up - 1, Clean shale from flowline - 1 1/4. Bit #2- 12 1/4" DSJ w/3-15's, made 1032 feet in 18 3/4 hrs. Surveys: 3/4" @ 537', 3/4" @ 1009'. Mud Properties: MW 8.7, Vis. 28. Drlg.Data: Pump #1 - 12" liners. WOB 35-40000, Rot. Spd. 65, Pump Press. 1200 psig @ 61 SPM. |
| 3/05/80 | 1775' | Drilling. Hrs.: Drlg.- 14 3/4, Survey - 1 1/2, Trip - 5 1/2, Clean Pit- 3/4, Wash & Ream - 3/4 hrs, Circ. 3/4. Bit #3- 12 1/4" F2 w/2-15's & 1-16, made 540 feet in 14 3/4 hrs. Survey: 1 1/4" @ 1600'. Mud Properties: MW 8.5, Vis. 27, Chromates 500 ppm. Drlg. Data: Pump #1. WOB 35-40000, Rot.Spd. 61, Pump Press. 1200 psig @ 58 SPM. Details: Had first water flow @ 1600' (2" str.). Sample Tops: Gallup 500 (+4695) (not lagged) Greenhorn 1235 (+3960) Dakota 1323 (+3872) 19' high to #22-31. |
| 3/06/80 | 2570' | Tripping to run 9 5/8" casing. Made 795 feet. Hrs.: 20 1/4 hrs.- Drlg. 3/4 - Survey, 1 3/4 - Start Trip, 1/4 - Rig Serv., 1 - Circ. out sweep. Bit #3- 12 1/4" F2 made 1335 feet in 35 1/4 hrs. Survey: 1" @ 2007'. Mud Properties: MW 8.7, Vis. 27, Chromates 300 ppm. Drlg. Data: Pump-Same, WOB 40,000, Rot. Spd. 61. |
| 3/07/80 | 2570' | Nippling up BOP stack. Hrs.: 2 - Repair Tongs, 6 - Run csg. & cmt., 1 - Circ. & WTB, 9 - WOC and 1"/220'/150 sx, 6 - Cut off and weld on head. Details: Ran 56 jts. 36# 9 5/8" K-55 ST&C casing. Set at 2569' KB. Rigged up Dowell. Cmt'd. w/ 500 sx 65/35 Poz w/ 6% Gel containing Gilsonite, Cello-Flakes, and 2% CaCl. Yield = 1.98 cuft/sx followed by 200 sx Cl B + 2% CaCl, Yield = 1.18 cuft/sx. Cement did not circulate. Ran 220' 1" line pipe for top outside cement job. |

DAILY DRILLING REPORT

Prospect Name: Pajarito

Well Name: Navajo Tract 20 - #31-31

Location: 660' FNL 1980' FEL - Section 31, T 29 N - R 17 W

San Juan County, New Mexico

Well Type: Wildcat Development Field Extension Other

Objective Zones: Pennsylvanian Paradox Formation

Projected Depth: 7300' Elevations: 5179' GL 5195' KB

Contractor: Loffland Bros. Company - Rig #211

Spud: 1:00 a.m. 3/1/80 Completed: Status:

| DATE | DEPTH | DETAILS |
|---------|-------|---|
| 3/07/80 | 2570' | Continued- Mixed and pumped 150 sx C1 B + 2% CaCl (Yield = 1.18) down 1". Cmt. circ. to surface. WOC. Cut off casing and installed 10" - 900 x 9 5/8" SOW casinghead. |
| 3/08/80 | 2570' | Drilling cement @ 2565'. Hrs.: 13- Nipple up, 1 1/2- LD 15-8" DC's, 4 1/2 - PU 24-6 1/2" DC's, 2- Trip, 1/2 - Test Blind Rams to 1500 psig, held okay, 1- Test BOP, Pipe Rams, Hydril, Choke Manifold, and lines, held okay, 1 1/2 - Drlg. Cmt. (Started @ 2460'). Bit #4- 8 3/4" DTT w/ 3-11's. Drlg. Assembly: 727' 6 1/2" DC's, Ttl. Wt. 65000#'s. Pump #1- 5 1/2" liner, Pump Press. 1400 psig @ 62 SPM. WOB 5000, Rot. Spd. 42. |
| 3/09/80 | 3148' | Tripping for new bit. Made 578 feet. Hrs.: 20 1/4 - Drlg., 1 3/4 - Survey, 1 1/2- Trip, 1/4 - Repairs, 1/4 - Service. Survey: 3/4° @ 3001'. Mud Properties: MW 8.7, Vis. 27. Details: Water Flow approx. 3100' (1 1/2" - 2" str.). |
| 3/10/80 | 3630' | Drilling. Made 482 feet. Hrs.: 18 1/4 - Drlg., 3/4 - Survey, 4 3/4 - Trip, 1/4 - WTB (3110-3148). Bit #4- out at 3148' made 578 feet in 20 1/4 hrs. Bit #5- F2 made 482 feet in 18 1/4 hrs. Surveys: 1/4° @ 3148' 3/4° @ 3497'. Mud Properties: MW 8.6, Vis. 27. Drlg. Data: Pump #1 - 5 1/2" liner, Pump Press. 1400 psig @ 62 SPM. WOB 40000 #'s, Rot. Spd. 64. |
| 3/11/80 | 4144' | Mixing mud. Made 514 feet. Hrs.: 15 1/2 - Drlg., 1- Survey, 7 1/2- Work pipe, wash & ream, and mix mud. Bit #5- 8 3/4" Smith F2 in at 3148' made 996 feet in 33 3/4 hrs. Survey: 0° @ 4030'. Mud Properties: MW 9.2, Vis. 32. Drlg. Data: Pump #1 - Same. WOB 40000, Rot. Spd. 64. |
| 3/12/80 | 4144' | Circulating to bottom. Hrs.: 24- Mud up and circ. to btm. Bit now @ 4124'. Mud Properties: MW 9.5, Vis 49, Fl 12, FC 2/32, Ph 11, Salinity 60000, PV 19, Yield 10, Gels Init. 1, Gels 10 Min. 4, Solids 4.5%, Sand 1/2%. Drlg. Data: Pump #1- 5 1/2" liner, Pump Press. 1300 psig @ 60 SPM. |
| 3/13/80 | 4144' | Circulating and working to bottom @ 4120'. Hrs.: 24- Circ. & working to btm. Pulled F-2 and ran 8 3/4" OWV to clean up hole. Mud Properties: MW 9.5, Vis 44, Fl 8.0. Drlg. Data: Pump #2- 5" liner. Pump Press. 1050 psig. |
| 3/14/80 | 4223' | Drilling. Made 79 feet. Hrs.: 6 3/4- Drlg., 17 1/4 hrs. - Circ. & washing to btm. Bit #6- 8 3/4" V2HJ w/3-12's, made 79 feet in 6 3/4 hrs. Mud Properties: MW 9.6+, Vis. 80, Fl 6.4, FC 2/32, Ph 11.5, Salinity 53000, PV 31, Yield 29, Solids 6%, Sand 1/2%. Drlg. Data: Pump #1- 5 1/2" liner. Pump Press. 1350 psig @ 63 SPM. WOB 50,000, Rot. Spd. 64. |
| 3/15/80 | 4698' | Drilling. Made 475 feet. Hrs.: 15-Drlg., 5-Trips, 1/2- Survey, 1/2- Rig Service, 1/2- Jet Pit, 2 1/2- Wash 4175-4408. Bit #6- 8 3/4" V2HJ in at 4144' out at 4408' made 264 feet in 15 3/4 hrs. Bit #7- 8 3/4" Smith F3 in at 4408' made 290 feet in 6 hrs. Survey: 1 1/2° @ 4408' Mud Properties: MW 9.5, Vis 82, Fl 8.8, FC 2/32, Ph 11.5, Salinity 42000, PV 16, Yield 31, Solids 4.2%, Sand 1/2%. Drlg. Data: Same. Rot. Spd. 64, Pump Press. 1200 psig @ 63 SPM. |
| 3/16/80 | 4974' | Drilling. Made 276 feet. Hrs.: 23- Drlg., 1/2- Rig Serv., 1/2-Survey. Bit #7 - 8 3/4" Smith F3 in at 4408' made 566 feet in 29 hrs. Survey: 1 1/2° @ 4908'. |

DAILY DRILLING REPORT

Prospect Name: Pajarito
 Well Name: Navajo Tract 20 - #31-31
 Location: 660' FNL 1980' FEL - Section 31, T 29 N - R 17 W
San Juan County, New Mexico
 Well Type: Wildcat Development Field Extension Other
 Objective Zones: Pennsylvanian Paradox Formation
 Projected Depth: 7300' Elevations: 5179' GL 5195' KB
 Contractor: Loffland Bros. Company - Rig #211
 Spud: 1:00 a.m. 3/1/80 Completed: _____ Status: _____

| DATE | DEPTH | DETAILS |
|---------|-------|--|
| 3/16/80 | 4974' | Continued - Mud Properties: MW 9.8, Vis 51, Fl 9.4, FC 2/32, Ph 12.5, Salinity 41000, Gels Init. 11, 10 Min. 29, Solids 8.3%, Sand 1/4%. Drlg. Data: Same Rot. Spd. 64, Pump Press. 1300 psig @ 63 SPM. Details: Had water flow at 4743'. |
| 3/17/80 | 5165' | Drilling. Made 191 feet. Hrs.: 23 3/4- Drlg., 1/4 - Rig Service. Bit #7- 8 3/4" Smith F3 in at 4408' made 757 feet in 52 3/4 hrs. Mud Properties: MW 9.7+, Vis. 61, Fl 9.6, FC 2/32, Ph 11.5, Salinity 41000, PV 16, Yield 20, Solids 8%, Sand 1/8%. Drlg. Data: Same. |
| 3/18/80 | 5301' | Drilling. Made 141 feet. Hrs.: 17 1/4- Drlg., 5 1/4- Trips, 1/2- Survey, 3/4- cut line, 1/4-Service Rig. Bit #7- 8 3/4" Smith F3 in at 4408' out at 5209' made 801 feet in 59 hrs. Bit #8- 8 3/4" Smith F3 in at 5209' made 97 feet in 11 hrs. Survey: Misrun @ 5209'. Mud Properties: MW 9.9, Vis. 49, Fl 10.8, FC 2/32, Ph 11, Salinity 38000, PV 14, Yield 13, Solids 9%, Sand 1/4%. Drlg. Data - Same. WOB 45-50000, Rot. Spd. 64, Pump Press. 1300 psig @ 63 SPM. |
| 3/19/80 | 5572' | Drilling. Made 266 feet. Hrs.: 23- Drlg., 3/4-Surveys, 1/4- Rig Serv. Bit #8- 8 3/4" Smith F3 in at 5209' made 363 feet in 34 hrs. Survey: 1 1/2 ⁰ @ 5315'. Mud Properties: MW 10.0 Vis. 42, Fl 9.8, FC 2/32, Ph 9.5, Salinity 28000, PV 11, Yield 8, Solids 10%, Sand 1/2%. Drlg. Data: Same. WOB 45-50000, Rot. Spd. 64, Pump Press. 1300 psig @ 63 SPM. |
| 3/20/80 | 5818' | Drilling. Made 246 feet. Hrs.: 23 3/4- Drlg., 1/4- Rig Repair. Bit #8- 8 3/4" Smith F3 in at 5209' made 609 feet in 57 3/4 hrs. Mud Properties: MW 9.9, Vis 40, Fl 8.4, FC 2/32, Ph 10, Salinity 22000, PV 10, Yield 6, Solids 10%, Sand 1/2%, LCM = 3%. Drlg. Data: WOB 45-50000, Rot. Spd. 64, Pump Press. 1300 psig @ 63 SPM. |
| 3/21/80 | 6014' | Drilling. Made 196 feet. Hrs.: 23 3/4- Drilling, 1/4-Rig Service. Bit #8- 8 3/4" Smith F3 in at 5209' made 805 feet in 81 1/2 hrs. Mud Properties: MW 9.7, Vis. 46, Fl 9.8, FC 2/32, Ph 9.5, Salinity 16000, PV 13, Yield 9, Solids 10, Sand 1/2%. LCM 10%. Drlg. Data: Pump #2- 5" liner. WOB 50-55000, Rot. Spd. 64, Pump Press. 800 psig @ 60 SPM. |
| 3/22/80 | 6214' | Drilling. Made 200 feet. Hrs.: 23 1/2- Drlg., 1/2- Rig Service. Bit #8- 8 3/4" Smith F3 in at 5209' made 1005 feet in 105 hrs. Mud Properties: MW 9.9, Vis. 38, Fl 8.4 Fc 2/32, Ph 9, Salinity 8000, PV 10, Yield 6, Gels Init. 2, 10 Min. 12, Solids 9%, Sand 3/4%. LCM = 10%. Drlg. Data: Pump #2- 5" liner, 800 psig @ 60 SPM. WOB 55000, Rot. Spd. 64. |
| 3/23/80 | 6398' | Drilling. Made 184 feet. Hrs.: 21 3/4- Drlg., 1 3/4- Change pump seats, 1/2- Ck. wtr. flows w/ MW below 9.8. Bit #8- 8 3/4" Smith F3 in at 5209' made 1189 feet in 126 3/4 hrs. Mud Properties: MW 9.9, Vis. 43, Fl 11.8, FC 2/32 Ph 9 Salinity 8100 PV 12, Yield 8, Gels Init. 6, 10 Min. 18, Solids 9, Sand 3/4%. Drlg. Data: Same. |
| 3/24/80 | 6478' | Circulating after running log. Made 80 feet. Hrs.: 11-Drlg., 6 1/4- Trips, 1/2- Surv., 1/4-Rig Serv., 1 3/4- Circ., 4 1/4- Logging. Bit #8- 8 3/4" Smith F3 in at 5209' out at 6478' made 1269 feet in 137 3/4 hrs. Cond. of Bit #8- Teeth-3, Bearing-3 Gauge- In. Survey: 1 ⁰ @ 6478'. Mud Properties: MW 10.2, Vis 52, Fl 10.2, FC 2/32, Ph 9.5, Salinity 8000, PV 18, Yield 10, Gels Init. 4, 10 Min. 16, Solids 11, Sand 3/4%. LCM 3 ppb. Drlg. Data: Pump #1- 5 1/2" 1400 psig @ 63 SPM. WOB 55000, Rot. Spd. 64. Details: SLM @ 6475 = 6478'. Made 3 ft. correction |

DAILY DRILLING REPORT

RECEIVED

APR 9 1980

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Prospect Name: Pajarito

Well Name: Navajo Tract 20- #31-31

Location: 660' FNL 1980' FEL - Section 31, T 29 N - R 17 W

San Juan County, New Mexico

Well Type: Wildcat Development Field Extension Other

Objective Zones: Pennsylvanian Paradox Formation

Projected Depth: 7300' Elevations: 5179' GL 5195' KB

Contractor: Loffland Bros. Company - Rig #211

Spud: 1:00 a.m. 3/1/80 Completed: Status:

| DATE | DEPTH | DETAILS |
|---------|-------|---|
| 4/03/80 | 7131' | Drilling. Made 49 feet. Hrs.: 4 3/4-Drlg., 8 1/2- Trips, 1 3/4- WO elevators, 9- Wash & Ream 7059-7103. Bit #10-6 1/8" Smith F3 in at 6544' out at 7087' made 543 feet in 93 1/2 hrs. Bit #11- 6 1/8" Smith F3 w/3-16's, in at 7087' made 44 feet in 3 1/2 hrs. Condition of Bit #10- Teeth -6 Bearing - 5, Gauge - 1/4 out. Mud Properties: MW 8.6, Vis. 39, FI 8.8, FC 1/32, Ph 12, Salinity 300, PV 8, Yield 0, Solids 2.7, Sand tr. Drlg. Data: DC's - Same. Pump #1- 5 1/2" liner, Pump Press. 1400 psig @ 45 SPM. WOB 25000, Rot. Spd. 48. Details: SLM @ 7087' = 7094', made 7 foot correction. |
| 4/04/80 | 7260' | Drilling. Made 129 feet. Hrs.: 14 3/4- Drlg., 1/4- Rig Serv., 9- Circ. and raise MW to 9.5, (no loss of mud). Mud Properties: MW 9.5, Vis. 34, FI 10, FC 1/32, Ph 12, Salinity 200, PV 5, Yield 3, Solids 2.7, Sand tr. Drlg. Data: DC's - same. Pump #1- 5 1/2", Pump Press. 1400 psig @ 45 SPM. WOB 25,000, Rot. Spd. 48. Details: Had drilling break from 7199 - 7208' from 7 mpf to 1 mpf. 30 mins. later had flow of gas and oil cut mud @ rate of 5 gpm w/8.7 mud and pump shut down. Circulated and raised MW and resumed drilling. |
| 4/05/80 | 7300' | Circulating and conditioning mud. Hrs.: 3 1/2- Drlg., 20 1/2- Trips, attempt to log, circ. and cond. mud. Bit #11- 6 1/8" Smith F3 in at 7087' out at 7300' made 213 feet in 21 1/2 hrs. Details: Reached total depth and conditioned mud to 9.5 ppg. POOH. Rigged up Schlumberger. Started running first tool, and well started to flow. Pulled logging tool. Tripped in to base of 7" casing and circ. & cond. mud. Circulated out gas and oil cut mud. Tripped and washed to btm. Circ. and cond. mud to 9.8 ppg. |
| 4/06/80 | 7300' | Running 4 1/2" liner on drill pipe. Details: Pulled bit to base of sfc. csg. and waited 4 hrs. Had no flow. Ran back to btm. and circ. out w/9.8 ppg mud throughout hole and surface volume. POOH. Ran DIL/GR and CNL/FDC/GR/Cal. Rigged down Schlumberger. Started running production liner on drill pipe. |
| 4/07/80 | 7300' | Laying down drill pipe. Details: Ran 29 jts. 4 1/2" K-55 10.5# LT&C casing for production liner below 7" intermediate csg. (949.66' threads off). Set at 7289' KB. Top of TIW liner hanger in 7" casing @ 6325'. Float collar at 7252'. Landed liner and set hanger slips. Circ. w/ rig pump prior to cementing. Hooked up Dowell. Pumped 10 bbls. CW100 chemical wash followed by 75 sx Cl B + 18% salt by wt. of the water. Had good returns initially decreasing to no returns as final cement was pumped. Initial pumping pressure 1000 psig @ 3 BPM, increasing to 3000 psig @ 2.3 BPM final pumping conditions. Bumped plug to 3300 psig. Held okay. Checked float. Held okay. PD 11:38 p.m. 4/6/80. Set. pkr. on TIW hanger, and released running tool from hanger. Reversed csg./drill pipe annulus with water using rig pump. Started pulling and laying down 3 1/2" drill pipe. |
| 4/08/80 | 7300' | Rigging down and moving out rotary tools. Details: Laid down all 3 1/2" drill pipe and 4 3/4" drill collars. Nippled down BOP stack. Cleaned mud tanks. Released rig at 2:00 p.m. 4/7/80. |

DAILY DRILLING REPORT

RECEIVED

APR 3 1980

U.S. GEOLOGICAL SURVEY

Prospect Name: Pajarito

Well Name: Navajo Tract 20- #31-31

Location: 660' FNL 1980' FEL - Section 31, T 29 N - R 17 W
San Juan County, New Mexico

Well Type: Wildcat Development Field Extension Other

Objective Zones: Pennsylvanian Paradox Formation

Projected Depth: 7300' Elevations: 5179' GL 5195' KB

Contractor: Loffland Bros. Company - Rig #211

Spud: 1:00 a.m. 3/1/80 Completed: Status:

| DATE | DEPTH | DETAILS |
|---------|-------|---|
| 3/24/80 | 6478' | Continued- Circulated and cond. hole. Tripped out, ran DIL/SP/GR w/linear correlation log. |
| 3/25/80 | 6500' | Circulating and waiting on 7" casing. Made 22 feet. Hrs.: 3 1/4- Drlg., 20 3/4- Circ. & waiting on csg. Bit #8- 8 3/4" Smith F3 in at 5209' out at 6500' made 1291 feet in 141 hrs. Mud Properties: MW 10.1, Vis. 50, F1 9, FC 2/32, Ph 9.5, Salinity 8000, PV 15, Yield 10, Gels Init. 5, 10 Min. 15, Solids 10%, Sand 1/2%. Drlg. Data: Pump #1- 5 1/2" liner - 850 psig Pump Press. @ 43 SPM, WOB 50,000, Rot. Spd. 64. Details: Prep to run 7" protective casing to 6500' and cmt. w/75 sx. |
| 3/26/80 | 6500' | Circulating and waiting on 7" casing. Hrs.: 24- Circ. & WO csg. Mud Propertie Same. |
| 3/27/80 | 6500' | Cementing 7" casing. Hrs.: 10- WO, unload & strap 7" csg., 6- lay down DP and DC's, 8- Run csg. & cmt. Details: Ran 155 jts. 7" casing: 900' K-55 26# LT&C and 5600' K-55 23# LT&C on top. Set @ 6499' KB. RU Dowell. Cmt. w/75 sx C1 B + 2% CC. PD at 6:00 a.m. 3/27/80. Had good circulation throughout |
| 3/28/80 | 6500' | Picking up 3 1/2" drill pipe. Hrs.: 1/2- RD cementer's, 2 1/2- Nippled down, 2- set slips & cut off 7" casing, 3- Nipple up, 2- change out Kellys, 1 1/2- change BOP rams, 1 1/2- strap 4 3/4" DC's & 3 1/2" DP, 1 1/2- Mix mud, 4- RU to p/up drlg. string, 5 1/2- P/up DC's & DP. Bit #9- 6 1/8" Smith DGJ w/3-15's, in at 6500'. Drlg. Data: 24- 4 3/4" DC's (723' long, 30,000 # ttl. weight.) |
| 3/29/80 | 6544' | Tripping in w/Bit #10. Made 44 feet. Hrs.: 9- Pick up drill pipe, 1- pick up kelly and test BOP stack to 1500 psig. Held okay. 1- Drill float collar, cement and shoe, 4-Drilling, 9- Trips. Bit #9- 6 1/8" Smith DGJ in at 6500' out at 6544' made 44 feet in 4 hrs. Bit #10- 6 1/8" Smith F3 in at 6544'. Condition of Bit #9- Teeth 8, Bearing 6, Gauge 1/2 out. Drlg. Data: WOB 15000, Rot. Spd. 48, Pump #1- 5 1/2" liner. Pump Press. 1500 psig @ 45 SPM. |
| 3/30/80 | 6675' | Drilling. Made 131 feet. Hrs.: 21 3/4- Drlg., 1-Trips, 1/4- Rig Service, 1- WTB. Bit #10- 6 1/8" Smith F3 (3-16's) in at 6544' made 131 feet in 21 3/4 hrs. Mud Properties: MW 8.6, Vis 36, F1 14.4, FC 1/32, Ph 10, Salinity 150, PV 6, Yield 1, Gels Init. 0, 10 Min. 0, Solids 2, Sand Tr. Drlg. Data: WOB 20000, Rot. Spd. 48, Pump #1- 5 1/2" liner, Pump Press. 1400 psig @ 45 SPM. |
| 3/31/80 | 6805' | Drilling. Made 130 feet. Hrs.: 23 3/4- Drlg., 1/4- Rig Service. Bit #10- 6 1/8" Smith F3 in at 6544' made 261 feet in 45 1/2 hrs. Mud Properties: MW 8.6, Vis. 35, F1 14, FC 4/32, Ph 12, Salinity 300, PV 5, Yield 5, Solids 1.2, Sand Tr. Drlg. Data: WOB 20000, Rot. Spd. 48, Pump #1- 5 1/2" liner, Pump Press. 1400 psig @ 45 SPM. |
| 4/01/80 | 6920' | Drilling. Made 115 feet. Hrs.: 23- Drlg., 3/4- Survey, 1/4- Rig Service. Bit #10- 6 1/8" Smith F3 in at 6544 made 376 feet in 68 1/2 hrs. Survey: 1/2° @ 6909'. Mud Properties: MW 8.6, Vis 34, F1 14.8, FC 1/32, Ph 12, Salinity 300, PV 7, Yield 6, Solids 1.8, Sand tr. Drlg. Data: DC's - same. Pump #1- 5 1/2" liner 1400 psig @ 43 SPM. WOB 23000, Rot. Spd. 48. |
| 4/02/80 | 7082' | Drilling. Made 162 feet. Hrs.: 23 3/4- Drlg., 1/4- Rig Serv. Bit #10- 6 1/8" Smith F3 in at 6544 made 538 feet in 92 1/4 hrs. Mud Properties: MW 8.7, Vis. 35, F1 11.2, FC 1/32, Ph 12, Salinity 350, PV 3, Yield 0, Solids 2%, Sand tr. Drlg. Data: Pump #1- 5 1/2" liner Pump Press. 1400 psig @ 45 SPM. WOB 20-23000, Rot. Spd. 48. |



LTR



Job separation sheet



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)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 "APPLICATION FOR PERMIT—" for such proposals.)

| | | | |
|---|--|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Permitted Location | | 5. LEASE DESIGNATION AND SERIAL NO. Navajo 14-20-603-5024 | |
| 2. NAME OF OPERATOR Vista Resources, Inc. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal | |
| 3. ADDRESS OF OPERATOR 237 Eubank Blvd. N.E. Suite B, Albuquerque, NM 87123 | | 7. UNIT AGREEMENT NAME N/A | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FNL 1980' FEL Section 31, T 29 N - R 17 W San Juan County, New Mexico | | 8. FARM OR LEASE NAME Navajo Tract 20 | |
| 14. PERMIT NO. E.A. Schmidt May 17, 1978 | | 9. WELL NO. 31-31 | |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5179' GL | | 10. FIELD AND POOL, OR WILDCAT Pajarito | |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T 29 N - R 17 W | |
| | | 12. COUNTY OR PARISH San Juan | |
| | | 13. STATE New Mexico | |

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Spudding & Setting Cond. Csg. ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Copy of drilling report attached.

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

SIGNED [Signature]

TITLE Secretary-Treasurer

DATE 3/3/80

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE MAR 5 1980

FARMINGTON DISTRICT

BY _____

NMOCC'

*See Instructions on Reverse Side

DAILY DRILLING REPORT

Prospect Name: Pajarito

Well Name: Navajo Tract 20 - #31-31

Location: 660' FNL 1980' FEL - Section 31, T 29 N - R 17 W
San Juan County, New Mexico

Well Type: Wildcat Development Field Extension Other

Objective Zones: Pennsylvanian Paradox Formation

Projected Depth: 7300' Elevations: 5179' GL KB

Contractor: Loffland Bros. Company - Rig #211

Spud: 1:00 a.m. 3/1/80 Completed: Status:

| DATE | DEPTH | DETAILS |
|---------|-------|---|
| 2/05/80 | | Preparing access road and location. |
| 2/08/80 | | Access road and location complete. Waiting on rotary tools. Expect to begin move in Monday, February 11. |
| 2/14/80 | | Moving in rotary tools. Prep to begin rigging up tomorrow a.m. |
| 2/15/80 | | Shut down due to inclement weather. |
| 2/19/80 | | Waiting on remainder of rig to be moved from previous location. |
| 2/21/80 | | Moving in 9 5/8" surface casing. Remainder of rig not yet moved from previous location due to rain and mud. |
| 2/25/80 | | Expect to begin moving remainder of rig this p.m. |
| 2/26/80 | | Moving remainder of rig from previous location. Expect to begin rigging up tomorrow a.m. |
| 2/27/80 | | Rigging up rotary tools. |
| 2/28/80 | | Rigging up rotary tools. |
| 2/29/80 | | Rigging up rotary tools. Expect to spud conductor hole this p.m. |
| 3/01/80 | 77' | Drilling. Spudded 17 1/2" conductor hole at 1:00 a.m. 3/1/80. Report time is 6:00 a.m. |
| 3/02/80 | 223' | Prep to run 13 3/8" conductor casing. Made 146 feet. |
| 3/03/80 | 223' | Nippling up BOP. Ran 5 jts. 13 3/8" 48 # H-40 ST&C casing. Set at 202' KB. Rigged up Dowell. Cmt'd. w/220 sx C1 B + 2% CaCl. Cement circulated. WOC. Cut off csg. and nipped up Hydril and choke lines. Expect to begin drilling at 7:00 a.m. |