

SHELL OIL COMPANY

Gov't

WELL NO. 43-10

Bisti

DRILLING REPORT

FOR PERIOD ENDING

10

(FIELD)
San Juan, New Mexico
(COUNTY)

7-17-57

(SECTION OR LEASE)
T25N, R12W
(TOWNSHIP OR RANCHO)

| Year 1957 | DEPTHS | | REMARKS |
|--------------------|--------|------|---|
| | FROM | TO | |
| 7-7 | 0 | 140 | <p><u>Location:</u> 1980' N and 660' W of SE corner, Section 10, T25N, R12W, N.M.P.M., San Juan County, New Mexico</p> <p><u>Elevations:</u> DF 6218.4 Grd 6209.1 KB 6220.3</p> |
| 7-8 to 7-15 | 140 | 4895 | <p>Spudded 4:15 P.M. 7-7-57. Ran and cemented 8-5/8", 24#, J-55 casing at 134' with 85 sacks construction cement treated with 2% calcium chloride. Good cement returns to surface. Flanged up and waited on cement. Pressure tested BOP and casing with 700 psi. for 15 minutes, O.K.</p> <p><u>Drilled 4755'.</u> Twisted off at 4649 leaving 13 drill collars in hole, recovered with grapple.</p> |
| 7-16 to 7-17 | 4895 | TD | <p>Ran Electrical Survey and Microlog. Ran and cemented 4-1/2", 9.5# casing at 4889' with 150 sacks construction cement treated with 4% gel. Final pressure 1500 psi. Released rig 1:45 A.M. 7-17-57.</p> <p>Check BOP daily</p> <p>Mud Summary Wt 9.6 - 9.8#/gal. Vis. 38-50 sec. WL 6.8 - 8 cc. FC 2/32</p> <p>Shell Oil Company Rig #18 Drillers: O. D. Grant W. L. Mety M. Lonney</p> |

| CONDITION AT BEGINNING OF PERIOD | | | | |
|----------------------------------|------|----|-------------|-----------|
| HOLE | | | CASING SIZE | DEPTH SET |
| SIZE | FROM | TO | | |
| | | | | |
| DRILL PIPE SIZES | | | | |

R. D. Allen

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(TOWNSHIP OR RANCHO)

Bisti
(FIELD)
San Juan, New Mexico
(COUNTY)

| Year MAX 1957 | DEPTHS | | REMARKS |
|---------------------|--------|----|---|
| | FROM | TO | |
| 7-30 | 4895 | TD | Moved in pulling unit. Found fill at 4876', plug at 4884'. |
| 8-2 | | | Perforated four 1/2" holes/ft 4767-4790, 4795-4805, 4837-4848, 4853-4861. |
| 8-5 | | | Fracture Treatment #1. Loaded hole with 100 bbl. crude, max. press. 3150 psi., min. pressure 2000 psi. Injected 30,000 gal. crude oil with 30,000# sand, max. press. 2450, min. pressure 2400, average injection rate 37.5 bbl./min. Displaced and overflushed with 160 bbls. crude. Shut in pressure 800 psi. after 6 min. Total load used <u>1054</u> bbls. (Sand treated with 30 ML of Iridium 192). |
| 8-6 | | | Ran tracer log |
| 8-8 | | | Cleaned out to 4875, ran tubing to 4725'. |
| 8-9 to 8-11 | | | Swabbed well started flowing. Flowed 1054 bbls. load and fracture oil. |
| 8-12 | | | <u>Initial Production</u> Flowing, 388 B/D gross rate, 387 B/D clean, cut 0.2%, 1" bean, gas 238 MCF/D, GOR 610, TP 40-80, CP 80-450, Completed 8-12-57. |

CONDITION AT BEGINNING OF PERIOD

| HOLE | | | CASING SIZE | DEPTH SET |
|---------------------------|------|------|-------------|-----------|
| SIZE | FROM | TO | | |
| 12-1/4" | 0 | 140 | 8-5/8" | 134' |
| 7-7/8" | 140 | 4895 | 4-1/2" | 4989' |
| DRILL PIPE SIZE 4-1/2" | | | | |

E. B. Johnstone

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| HOLE | | | CASING SIZE |
| SIZE | FROM | TO | DEPTH SET |
| | | | |
| DRILL PIPE SIZES | | | |

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