

SHELL OIL COMPANY

41-
WELL NO. Gov't. 21

Bisti

DRILLING REPORT

FOR PERIOD ENDING

21

(FIELD)
San Juan, New Mexico

(COUNTY)

10-31-57

(SECTION OR LEASE)
T25N, R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
			Location: 660' S and 660' W of SE Corner, Section 21, T25N, R12W, NMPM, San Juan County, New Mexico.
			Elevations: DF 6266.6 GR 6259.3 KB 6267.8
10-23 to 10-24	0	1077	Spudded 7:00 P.M. 10-23-57. Ran and cemented (109') 8-5/8", 24#, J-55 National casing at 118' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested BOP and casing with 700 psi, OK.
10-25 to 10-30	1077	4850	<u>Drilled 3773'</u> .
10-31	4850	TD	Ran Electrical Survey and Microlog. Ran and cemented (4841') 4-1/2", 9.5# casing at 4850' with 150 sacks 4% gel treated cement. Pumped 5 bbls. over. Released rig 4:00 P.M. 10-31-57. Checked BOP daily Mud Summary wt 9.1 - 9.9 #/ gal vis 43-130 sec WL 5-8 cc FC 2/32"

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

Contractor: Brinkerhoff Drilling Co.

Drillers: E. Babcock
C. Adams
J. Speaker

SHELL OIL COMPANY

Gov't. 41-21

WELL NO. _____

Bisti

DRILLING REPORT

FOR PERIOD ENDING

12-2
12-31-57

21

(SECTION OR LEASE)

T25N, R12W

(TOWNSHIP OR RANCHO)

(FIELD)

San Juan, New Mexico

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
11-2			Ran piano wire found plug at 4846'.
11-5			Pressured casing, pressure built up to 1000 psi fell back to less than 200 psi. Pumped 15 bbls oil in well.
11-6 To 11-7			Moved in pulling unit and repaired unit.
11-9			Ran 2" tubing, found top of plug at 4849'. Set packer at 4818'. Pressure tested below packer, took fluid at 600 psi, pumped oil at 3 BPM rate at 1100 psi. Pressure tested casing above packer-held 2000 psi.
11-10			Pulled tubing, ran Gamma Ray - collar log.
11-11			Ran tubing with 3" X 2" swage to bottom (4853'). Spotted 300 gal. mud acid, pulled tubing ran bridge plug at 4850' and set. Pressure tested casing with 3500 psi, OK.
11-12 To 11-13			Perforated 4746-56.5, 4758.5-80, 4787-89, 4791-98, 4803-18 and 4700-24 with four 1/2" bullet holes/ft. (Spotted 200 gal. mud acid in casing before perforating)
11-14			<u>Sand Oil Fracture Treatment #1</u> Broke down formation with 5880 gal. oil at 2700 psi, injected 50,000 gal. oil with 1#/gal sand, flushed with 4200 gal. oil. Maximum pressure 2700 psi. Minimum pressure 2700 psi average rate 37 bbl/min. Shut in pressure after 5 minutes 800 psi.
11-15			Flowed 10 hours at 520 B/D rate.
11-16			Ran log, found sand fill at 4818'.
11-17			Ran and landed tubing at 4700'. Swabbed 60 bbls in 3-1/2 hours, lost swab.
11-18			Fished and recovered swab. Swabbed 72 bbls in 5 hours.
11-19 To 12-2			Flowed 1362 bbls. load and frac oil. INITIAL PRODUCTION: Flowing 122 B/D rate, 122 B/D clean, cut 0.3% 200 MCF/D gas, 1630 GOR, 64/64" bean, TP 30. Completed December 2, 1957

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4	0	118	8-5/8"	118'
7-7/8"	118	4850	4-1/2"	4850'
DRILL PIPE SIZES			4-1/2	

E. R. Johnston