

## SHELL OIL COMPANY

Gov't.

WELL NO. 44-15

Bisti

(FIELD)

## DRILLING REPORT

FOR PERIOD ENDING

15

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANCHO)

San Juan, New Mexico

(COUNTY)

4-12-58

DAY	DEPTHS	
	FROM	TO

## REMARKS

Location: 520' N and 860' W of SE Corner Section 15, T25N, R12W, NMPM, San Juan County, New Mexico

Elevations: DF 6253.0  
GR 6245.0  
KB 6254.2

4-5 0 2140  
to  
4-6

Spudded 4:45 P.M. April 5, 1958. Ran and cemented (94') 8 5/8", 24#, J-55 Nat'l casing at 104' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.

4-7 2140 4737  
to  
4-10

Drilled 2597':

4-11 4737 4845

Drilled 108': Ran Electrical Survey and Microlog.

4-12 4845 TD

Ran and cemented (4835') 4 1/2", 9.5# casing at 4845' with 150 sacks cement treated with 4% gel. Displaced with oil. Released rig 3:45 A.M. April 12, 1958.

Checked BOP daily  
Mud Summary  
Wt. 9.4-9.7#/gal.  
Vis 47-75 Sec  
WL 5.4-6 CC  
FC 2/32"

Contractor: Brinkerhoff Drilling Co.  
Drillers: C. C. Adams  
E. Babcock  
W. Black

## CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				



R. D. Allen

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DAY	DEPTHS		REMARKS
	FROM	TO	
4-17	4845	TD	Ran Gamma-Ray collar log. Bullet perforated four $\frac{1}{2}$ " hole/ft. 4708-22, 4736-54, 4764-78, 4786-98, 4802-18.
4-19			Ran tubing.
4-20			Spotted 200 gal. mud acid on perforations. <u>Sand oil fracture treatment #1.</u> Broke down formation at 2600 psi. Injected 15,000 gal. crude with 1#/gal. sand; dropped 50 nylon core balls, Injected 4000 gal crude with 1#/gal. sand, dropped 50 nylon core balls (core balls on perforations resulted in a pressure increase from 2500 to 2900 psi). Injected 12,000 gal crude with 1#/gal. sand, dropped 25 nylon core balls, pressure increased from 2700 to 3200 psi. Injected 4000 gal crude with 1#/gal sand, dropped 25 nylon core balls, pressure increased from 2800 to 3300 psi. Injected 4000 gal crude with 1#/gal sand, dropped 25 nylon core balls, pressure increased from 3000 to 3500 and broke to 3300 psi. Flushed with 160 bbls crude. Maximum pressure 3500 psi. Minimum pressure 2500 psi. Average rate 34.5 bbl/min.
4-21			Found frac sand at 4700'.
4-22			Bailed and cleaned out frac sand to 4823'.
4-23			Landed tubing at 4690'. Swabbed 50 bbls, well started flowing.
4-24 to 4-28			Flowed and recovered all load and frac oil, <u>1448 bbls.</u>
4-29			<u>INITIAL PRODUCTION</u> Flowing, 777 B/D gross, 775 B/D clean, cut 0.2%, 64/64" bean, 151 MCF/D gas, GOR 194, TP 200.

Completed April 29, 1958

## CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 $\frac{1}{4}$ "	0	115	8 5/8"	104'
7 7/8"	115	4845	4 $\frac{1}{2}$ "	4835'
DRILL PIPE SIZE 4 $\frac{1}{2}$ "				

E. B. Johnstone