

SHELL OIL COMPANY

SF 010066

WELL NO. Govt. 14-15

DRILLING REPORT

FOR PERIOD ENDING

Bisti Field

(FIELD)

San Juan Co., New Mexico

(COUNTY)


June 6, 1956

Section 15

(SECTION OR LEASE)

T25N., R12W., NMBM

(TOWNSHIP OR RANGHO)

DAY 1956	DEPTHS		REMARKS
	FROM	TO	
			Location: 660' N. and 660' E. of SW corner of Section 15, T. 25 N., R. 12 W., N.M.B.M., San Juan County, New Mexico.
			Elevations: G.L. 6244.77' D.F. 6252.97' K.B. 6253.89'
5-24	0	219	Spudded 7:00 P.M. (5-24-56). Drilled 11" hole to 219'.
5-25			Ran and cemented 8 5/8", 24#, J-55, S.T. & C. Spang casing, shoe at 219'. Halliburton cemented with 100 sacks construction cement treated with calcium chloride.
5-26, 27			Flanged up casing and installed 10" series 900 double, hydraulic control gate with pipe rams and complete shut-off rams. Tested B.O.E. and casing at 850 psi for 15 minutes.
5-28 to 6-4	219	4875	Drilled 4656'. Treated mud with water, gel, primo, crude oil, driscose.
6-5			Attempted to run Schlumberger Electrical Survey, stopped at 900'.
6-6			Cleaned out hole to 4875'. Ran Electrical Survey and Microlog.
			<u>Mud Summary:</u> Wt. 67-71 #/Ft.3 Vis. 32-47 Sec. W.L. 7-8 cc/30 min. F.C. 1/32 inch.
<div style="text-align: right;">  </div>			
<div style="text-align: right;"> Tested B.O.E. daily. Contractor: H. B. Lynn Corporation </div>			
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
DRILL PIPE SIZES			

R. W. Olsen

SIGNED

SHELL OIL COMPANY

WELL NO. Govt. 14-15

DRILLING REPORT

FOR PERIOD ENDING

June 11, 1956

Bisti Field

(FIELD)

San Juan Co., New Mexico

(COUNTY)

Section 15

(SECTION OR LEASE)

T25N., R12W., N1BM

(TOWNSHIP OR RANCHO)

DAY 1956	DEPTHS		REMARKS
	FROM	TO	
6-7			Ran 5 1/2", 17#, S.T. & C. Spang casing, shoe at 4870'. Halliburton cemented 200 sacks cement, 119#/cu. ft. slurry. Used Baker differential fill up float collar and guide shoe.
6-8			Tested 1500 psi on casing for 15 minutes. Made up 2" tubing, cleaned out hole to 4860'. Changed mud to oil. Ran Gamma Ray log with collar locator. Perforated 4 - 1/2" holes per foot at 4820'-4802' and 4797'-4786'.
6-9 to 6-11			<u>Sand-Oil Fracture Treatment #1:</u> Broke down formation with 3800 psi. Sand-oil fractured with 1140 bbl. oil and 50,000 lbs. sand. Well had 600 psi on casing 11 hours after completing fracture job. Opened well, flowed 325 bbl. of fracture oil, then died. Set bridge plug at 4779'. Bullet perforated four 1/2" holes per foot at 4776'-4741'. Fracture Treatment #1 total 47,880 gals. oil and 50,000# sand. <u>Sand-Oil Fracture Treatment #2:</u> Broke down formation with 2600 psi. Sand-oil fractured with 920 bbl. oil and 50,000 lbs. sand. Well had 700 psi on casing 7 hours after completing fracture job. Opened well and flowed 450 bbl. fracture oil, well then died. Set bridge plug at 4730', bullet perforated four 1/2" holes per foot at 4723'-4705'. Could not break down formation with 4200 psi. Fracture Treatment #2 total 38,940 gals. oil and 50,000# sand.



CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11"	0	219	8 5/8"	219'
7 7/8"	219	4875	5 1/2"	4870'
DRILL PIPE SIZES				
4 1/2"				

Contractor: H. B. Lynn CorporationR. W. Olsen

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DRILLING REPORT

FOR PERIOD ENDING

Section 15

(SECTION OR LEASE)

Bisti Field

(FIELD)

San Juan Co., New Mexico

(COUNTY)

June 15, 1956T25N., R12W., N4BM

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
1956			
6-12			Fracture Treatment #3: Spotted 500 gal. mud acid opposite perforated interval 4723-4705'. Broke down formation with 100 bbl. oil, first 50 bbl. mixed with Freflow, injection pressure 2600 psi, 25 bbl./min. Injected 7000 gal. oil with 1 lb. of 20-40 mesh sand per gallon at 30-40 bbl./min. and 2500 psi. Injected 8000 gal. oil with 2 lbs. of sand per gallon at 30-34 bbl./min. and 2500 psi. Displaced fracture oil with 125 bbl. oil and overflushed with 100 bbl. oil. Shut well in. Fracture Treatment #3 total 28,650 gals. oil and 23,000# sand.
6-13, 14			Ran tubing and bit. Drilled bridge plugs to 4845'.
6-15			Picked up 2 3/8" EUE tubing and landed at 4712', pump shoe at 4706' and packer at 4656'. Released rig 3:00 A.M. 6-15-56.
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
11"	0	219	8 5/8"
7 7/8"	219	4875	5 1/2"
DRILL PIPE SIZES			
4 1/2"			

Contractor: H. B. Lynn Corporation

R. W. Olsen

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San Juan Co., New Mexico

(COUNTY)

Section 15

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T25N., R12W., NMBM

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS																
	FROM	TO																	
			<p style="text-align: center;"><u>DEVIATION RECORD</u></p> <table> <thead> <tr> <th><u>Depth</u></th> <th><u>Deviation</u></th> </tr> </thead> <tbody> <tr> <td>1700</td> <td>1/4°</td> </tr> <tr> <td>2079</td> <td>1/2°</td> </tr> <tr> <td>3154</td> <td>1°</td> </tr> <tr> <td>3634</td> <td>1°</td> </tr> <tr> <td>4018</td> <td>3/4°</td> </tr> <tr> <td>4756</td> <td>1 3/4°</td> </tr> <tr> <td>4875</td> <td>1/4°</td> </tr> </tbody> </table>	<u>Depth</u>	<u>Deviation</u>	1700	1/4°	2079	1/2°	3154	1°	3634	1°	4018	3/4°	4756	1 3/4°	4875	1/4°
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