SHELL CIL COMPANY
Drilling Reports
COVERNMENT 12-15

San Juan County, New Mexico

Bisti Field San Juan Co., New Mexico

DRILL PIPE 1 1/2"

DRILLING REPORT FOR PERIOD ENDING

May 20, 1956

Section 15
(SECTION OR LEASE) T25N., R12W., NMBM (TOWNSHIP OR RANCHO)

	(COUNT	[T]	(TOWNSHIP OR RANCHO)				
DAY	DE	PTHS	remarks				
	FROM	то					
			Location: 1980'S. and 660'E. of NW corner, Section 15, T. 25 N., R. 12 W., N.M.B.M., San Juan County, New Mexico.				
			Elevations: D.F. 6226.31! G.L. 6218.51: K.B. 6228.31!				
5-11	0	225	Spudded 3:00 A.M. (5-11-56). Drilled 225'. Ran 8 5/8", 24#, J-55, S.T. & C. Spang casing, shoe at 223'. Halliburton cemented with 100 sacks construction cement treated with calcium chloride, 112 lbs./cu. ft. slurry.				
5 - 12			Installed 10" series 900 double, hydraulic control gate with pipe rams and complete shut-off rams. Tested B.O.E. and casing with 700 psi for 15 minutes.				
5-13 to 5-20	225	4906	Drilled 4681, used Tri-mulso mud. Treated mud with water, gel, trimo, crude oil, driscose.				
			Mud Summary:				
			Wt. 9.2-10.5 Lbs./Gal. Vis. 35-48 Sec. W.L. 5.6-6.2 cc. F.C. 1/32".				
		1					
			Tested B.O.E. daily.				
	cc	NOITION	T BEGINNING OF PERIOD Contractor: H. B. Lynn Corporation.				
	HOLE	1	ASING SIZE DEPTH SET				
SIZE	FROM	то					

R. W. Olsen

Bisti Field

(FIELD)

San Juan Co., New Mexico
(COUNTY)

2-50 PRINTED IN U. S. A.

DRILLING REPORT FOR PERIOD ENDING

May 28, 1956

Section 15
(SECTION OR LEASE)
T25N., R12W., NMBM
(TOWNSHIP OR RANCHO)

DAY	DEP	тнѕ	
1956	FROM	то	REMARKS
5-21			Ran Schlumberger Electrical Survey, Gamma Ray-Neutron Log, Microlog.
5 - 2 2			Ran 5 1/2", 17#, S.T. & C. casing, shoe at 4900°. Halliburton cemented with 350 sacks construction cement. Ran Schlumberger Temperature Survey, top of solid cement in annulus at 3500°.
5 - 23			Ran tubing with 4 3/4" bit, cleaned out cement to 4835. Ran Schlumberger Gamma Ray-Neutron log with collar locator.
5-24			Displaced mud with oil. Released drilling rig 12 noon 5-23-56.
5-25			Completion rig, Roberts Drilling Co., rigged up. Pulled tubing, ran casing scraper.
5-26 to 5-28			Schlumberger perforated four 1/2" jets per foot at 4810-4792', 4787-4775', 4766-4756'. Dowell sand oil fracture treatment #1: Injected 4200 gal. (100 bbl.) crude oil, break down pressure 3400 psi, average rate 44 bbl/min. at 1800 psi. Followed with 15,000 gal. (357 bbl.) oil with one 1b. 20 to 40 mesh sand per gallon and 15,000 gal. (357 bbl.) oil with 2 lbs. sand per gallon, no build up pressure, injection rate 48 bbl./min. at 1800 psi. Displaced with 125 bbl. oil and overflushed with 100 bbl. oil, rate 44 bbl./min. at 1950 psi. Shut in casing. Casing pressure 500 psi after 1 hour. Casing pressure after 10 hours 0 psi. Opened well, would not flow. Set Baker Model E-3 bridge plug at 4752'. Satisfactorily pressure tested plug with 3500 psi for 5 min. Perforated with four 1/2" jet holes per foot at 4750-4728'. Sand oil fracture treatment #2: Broke down formation with 4200 gal. (100 bbl.) crude oil, 1200 psi, pressure increased to 2200 psi at 40 bbl./min. Injected 15,000 gal. (357 bbl.) crude oil with 1 lb. of 20-40 mesh sand per gallon, 36 bbl./min. at 2200 psi. Followed by 15,000 gal. (357 bbl.) oil with 2 lbs. sand per gallon at 30 bbl./min., 1950 psi increased to 2200 psi. Final pressure 2100 psi at 24 bbl./min. Displaced with 125 bbl. oil and overflushed with 100 bbl. oil. Shut in casing, pressure after 15 minutes 0 psi. Opened well after 10 hours, would not flow. Fracture Treatment #1 total 43,638 gallons oil and 45,000# sand. Fracture Treatment #2 total 43,638 gallons oil and 45,000# sand.
		UDITION A	T BEGINNING OF PERIOD

CONDITION AT BEGINNING OF PERIOD								
	HOLE		CASING SIZE	DEPTH SET				
SIZE	FROM	то						
11"	01	225	8 5/8"	2231				
7 7/8	2251	4906	5 1/2"	4900 °				
				-				
DRILL I	PIPE),	1/2"						

Contractor: Roberts Drilling Company

Bisti Field

SHELL OIL COMPANY

DRILLING REPORT FOR PERIOD ENDING

June 7, 1956

Section 15
(SECTION OF LEASE)
T25N., R12W., NMBM
(TOWNSHIP OF RANGHO)

San Juan Co., New Mexico

DRILL PIPE 1 1/2#

				The second secon						
DAY				REMARKS						
1956	FROM	то	_							
5-29			Set 1	Set bridge plug at 4721. Tested plug with 3000 psi for 5 minutes (OK). Schlumberger perforated four 1/2" jet holes per foot at 4714-4700.						
5-30 to 6-6 6-7			C le ar	with 3780 gal. (90 b at 3100 psi. Inject 20-40 mesh sand per by 6720 gal. (160 bb 32 bbl./min. and 290 oil with 1-2 lbs. Followed by 2100 gal at 25 bbl./min. and crude oil and overfl 36 bbl./min. and 280 head pressure after Treatment #3 total 3 med out bridge plugs ed tubing, ran bailer to 4860!. Ran 2 3/8 at 4652! and pump sh	nt No. 3: Broke down formation at 3500 psi bl.) crude oil, injection rate 28 bbl./min. ed 4200 gal. (100 bbl.) crude oil with 1/2 lb. gal. at 32 bbl./min. and 2900 psi. Followed l.) crude oil with 1 lb. sand per gal. at 0 psi. Followed by 6720 gal. (160 bbl.) crude sand per gal. at 35 bbl./min. and 2900 psi. (50 bbl.) crude oil with 2 lbs. sand/gal. 2900 psi. Pisplaced with 4950 gal. (118 bbl.) ushed with 2180 gal. (52 bbl.) crude oil at 0 psi. decreasing to 2600 psi. 0 psi casing 12 hours. Well would not flow. Fracture 0,650 gals. oil and 18,000# sand. to 4835'. , located sand bridge at 4782' and bailed "upset tubing with Lane Wells BOCL packer oe at 4702'. Flanged up. Started swabbing tarted flowing at 9:00 A.M. (6-8-56) on					
	CONDITION A			ng of Period	Contractor: Roberts Drilling Company					
	HOLE		CASING SIZE	DEPTH SET	onipary					
SIZE	FROM	то								
11"	01	2251	8 5/8"	2231						
7 7/8	225	4906	5 1/2 *	49001						

R. W. Olsen

SIGNED

R. W. Ulsen

SHELL OIL COMPANY

WELL NO. Govt. 12-15

DRILLING REPORT
FOR PERIOD ENDING

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Section	15

(SECTION OR LEASE) T25N., R12W., NMBM

Bisti Field (FIELD)

San Juan Co. New Mexico

	(COUN	TY)							(TOWNS)	IIP OR RANCHO)
DAY			REMARKS							
	FROM	то								
						DEVIA	TION RECO	RD		
					Dep		De	viation		
					11,00 1900 21,00 351 3900 1,890) ' 		1/2° 1/2° 1/4° 1/2° 3/4°		
	co	NDITION	AT BEGINNI	NG OF PERIOD		ļ				D.
	HOLE		CASING SIZE	DEPTH SET						1
SIZE	FROM	то			 					
DRILL SIZ	. PIPE ES									