

## SHELL OIL COMPANY

Carson Unit

WELL NO. 34-13Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

May 22, 195713

(SECTION OR LEASE)

T 25 N, R 12 W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS															
	FROM	TO																
			<p><u>Location:</u> 660' N and 1976' W of SE Corner, Section 13, T25N, R12W, NMFM, San Juan County, New Mexico</p> <p><u>Elevations:</u> DF 6420.0 Gr. 6412.1 KB 6421.1</p>															
5-13	0	1875	Spudded 4:00 PM, 5-13-57. Ran and cemented (208') 8-5/8", 24#, J-55, Nat'l. casing at 218' with 130 sacks cement treated with 2% calcium chloride. Good cement returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.															
5-15 to 5-19	1875	4565	<u>Drilled 2690'</u> . Twisted off at 4538' leaving 8 drill collars in hole, recovered with overshot.															
5-20 to 5-21	4565	5104	<u>Drilled 539'</u> .															
5-22	5104	TD	<p>Ran Electrical Survey and Microlog. Ran and cemented (5086') 4-1/2", 9.5# casing at 5096 with 150 sacks cement treated with 4% gel. Displaced with oil. Released rig 6:30 PM, 5-22-57. Checked BOP daily.</p> <p>Mud Summary</p> <p>Wt. 9.2 - 9.5#/gal. Vis. 45-85 sec. WL 6-9.3 cc FC 1-2/32"</p>															
<p>CONDITION AT BEGINNING OF PERIOD</p> <table border="1"> <thead> <tr> <th colspan="3">HOLE</th> <th>CASING SIZE</th> <th>DEPTH SET</th> </tr> <tr> <th>SIZE</th> <th>FROM</th> <th>TO</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="3">DRILL PIPE SIZES</td> <td></td> <td></td> </tr> </tbody> </table>				HOLE			CASING SIZE	DEPTH SET	SIZE	FROM	TO			DRILL PIPE SIZES				
HOLE			CASING SIZE	DEPTH SET														
SIZE	FROM	TO																
DRILL PIPE SIZES																		

Contractor: Brinkerhoff Drilling Company  
 Drillers: E. Babcock  
 C. Adams  
 J. Speaker

R. D. ALLEN



## SHELL OIL COMPANY

Carson Unit

WELL NO. 34-13

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(FIELD)

San Juan, New Mexico

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

June 22, 1957

13

(SECTION OR LEASE)

T 25 N, R 12 W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
6-6	5104 5060	TD PBSD	Found fill at 5028'. Ran Gamma Ray log with collar locator. Perforated four 1/2" holes/ft. 4944-52, 4958-72, 4976-94.
6-7			Moved in pulling unit, bailed mud to 5028-5036.
6-8			Ran and landed tubing at 4875'. Swabbed 54 bbls., fluid level at 4000'+, stuck swab at 1500'.
6-9			Cut and retrieved wire line.
6-10			Sand oil fracture treatment #1. Broke down formation at 1800 psi. Injected 30,000 gal. oil with 1#/gal. sand (sand treated with 30 MC radioactive iodine tracer). Displaced and overflushed with 200 bbl. oil, maximum pressure 2600 psi, average injection rate 31.7 bbl/min.
6-11			Ran tubing to 4875', swabbed 150 bbls., well started flowing.
6-12			Flowing.
6-13			Flowed 27 hours, 422 bbls. gross, 422 bbls. clean, cut 0.1%, TP 160, bean, 8 hour 42/64", 19 hour 30/64".
6-14			Flowed 24 hours, 245 B/D gross, cut 0.2% TP 60 42/64" bean.
6-15			Shut in.
6-17			Flowed 8-1/2 hours, 41 bbls. gross, cut 0.2%, TP 60 30/64" bean.
6-18			Flowed 21 hours, 323 bbls. gross, cut 0.1%, TP 80, 30/64" bean.
6-19			Flowed 24 hours, 215 bbls. gross, cut 0.1%, TP 180, 24/64" bean. Ran pressure bomb.
6-20			Flowed 24 hours, 149 bbls. gross, 0.2% cut, TP 190, 20/64" bean.
6-21			Flowed 24 hours, 113 bbls. gross, 0.2% cut, TP 200, 16/64" bean.
6-22			Flowed 24 hours, 204 bbls. gross, 0.1% cut, TP 210, 16/64" bean. Cut paraffin in tubing, well died.

## CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

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## SHELL OIL COMPANY

Carson Unit

WELL NO. 34-13

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

November 15, 1957

13

(SECTION OR LEASE)

T 25 N, R 12 W

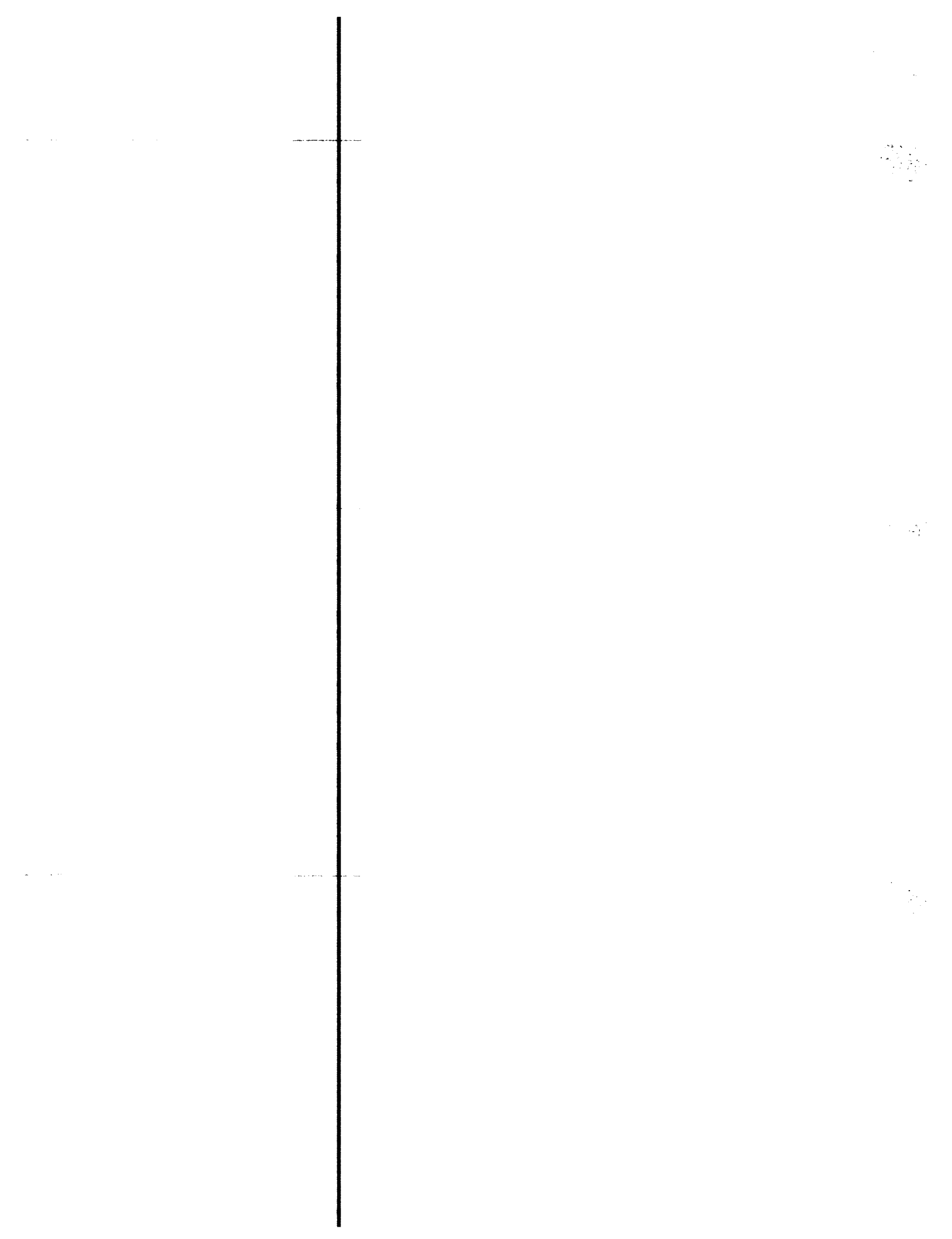
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
6-27			Swabbed well on production, flowed 2 hours shut in.
9-5			Perforated four 1/2" jet holes/ft. 4876-4900, 4908-16.
9-6			Landed tubing at 4875', swabbed well to natural flow.
9-7 to 9-8			Flowed 45 hours, 388 bbls. gross, 0.1% cut, TP 120, CP 520 (207 B/D rate) Bean sizes 6 hours 64/64", 39 hours, 20/64". Shut in.
9-19			Ran tubing to 4961'. Packer at 4928'. Bottom bomb - 4961, Top bomb - 4922. Swabbed 2 hours.
9-20			Swabbed 2.5 hours, well started to flow. Flowed 23 hours, 399 bbls. gross, 0.1% cut, 64/64" bean, TP 30, CP 350.
9-21			Flowed 9 hours, 98 bbls. gross, 0.1% cut, 64/64" bean, TP 40, CP 350 (262 B/D rate) Shut in for pressure build up test.
9-24			Pulled tubing - found tubing disc segregating intervals broken. Ran tubing to 4965', packer at 4928, top bomb - 4921, bottom bomb - 4965. Swabbed 3 hours, fluid level - 4000'.
9-26			Shut well for 12 hours. Ran swab - found fluid level still at 4500', no fluid entry from upper interval.
11-11			Spotted 200 gal. mud acid on perforations.
11-13			<u>Sand oil fracture treatment #2.</u> Broke down formation at 1000 psi. Injected 42,000 gal. crude oil with 1#/gal. sand (sand treated with 45 MC iridium 192 tracer). Dropped 380 nylon core balls during treatment, no effect on pressure. Displaced and overflushed with 108 bbls. crude. Maximum pressure 2900 psi, minimum pressure 2800 psi, average injection rate 36.5 bbls/min.
11-14			Found sand fill at 4842', bailed to bottom.
11-15			Ran and landed tubing at 4876', swabbed well in.

## CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE 4 1/2" SIZES				

E B. JOHNSTANE



SHELL OIL COMPANY

Carson Unit

WELL NO. 34-13

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(FIELD)

San Juan, New Mexico

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

February 13, 1958

13

(SECTION OR LEASE)

T 25 N, R 12 W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
11-16-57 to 2-12-58  2-13			Swabbed and flowed, recovered all load and frac oil.  <u>INITIAL PRODUCTION</u> Flowing, 1010 B/D gross, 1000 B/D clean, cut 0.1% 360 MCF/D, GOR 356, 64/64" bean, TP 180. Completed 2-13-58.

## CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	218	8-5/8"	218'
7-7/8"	218	5104	4-1/2"	5096'
DRILL PIPE SIZES 4-1/2"				

E.B. JOHNSTONE

