

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe, N.M.Lease No. 87 170007Unit Carson

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	I
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of Completion	I

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 24, 1958

Carson Unit

Well No. 13-11 is located 1910 ft. from N line and 590 ft. from W line of sec. 11SW 11

(1/4 Sec. and Sec. No.)

25N

(Twp.)

12W

(Range)

101N

(Meridian)

Sisti

(Field)

San Juan

(County or Subdivision)

New Mexico

(State or Territory)

Kelly Busting

The elevation of the ~~land surface~~ above sea level is 6251 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

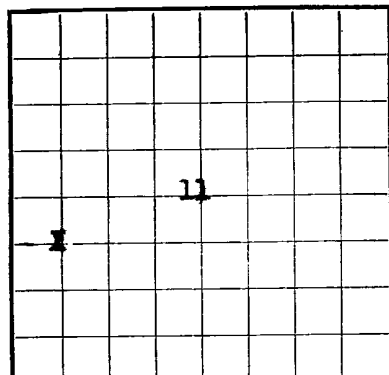
- 8-21-58 Ran and cemented (4906') 4 1/2", 9.52 J-55 casing at 4916' with 150 sacks cement treated with 25 gal.
- 8-27-58 Cleaned out hard cement from 4850 to 4910
- 8-30-58 Bullet perforated four 1/2" holes/ft 4770-4810, 4811-49, 4850-4869 and 4873-4890.
- 8-31-58 Made 12 hour pressure survey.
- 9-2-58 Sand oil fractured treated with 50,000 gal. oil with 15/gal. sand and 400 core balls. Maximum pressure 2800 psi., minimum pressure 2000, average rate 36.2 cc/min.
- 9-3-58 Cleaned out free sand from 4850' to 4900. Ran tubing to 4770.
- 9-4-58 Swabbed 20 bbls. - well began to flow, flowed 1001 bbls free oil and died.
- to
- 9-11-58
- 9-12-58 installed artificial lift equipment. Pumped and recovered remaining 115 bbls. to load and free oil.
- 9-22-58 I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil CompanyAddress 705 West Municipal DriveFarmington, New MexicoBy W. W. ShepardTitle Exploitation Engineer

GPO 9 18 507

9-21-58 INITIAL PRODUCTION

Run 21 hrs., 170 B/D gross, 169 B/D clean, 0.1 B/D gas, 2.2 B/D
Completed 9-22-58.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 Municipal Drive, Farmington, N.M.
Lessor or Tract Federal-Carson Unit Field Bisti State New Mexico
Well No. 13-11 Sec. 11 T. 25N R. 12W Meridian NMPN County San Juan
Location 1910 ft. [N] of S Line and 590 ft. [E] of W Line of Sec. 11 Elevation 6251 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____ Original signed by
E. W. SHEPARD

Date October 8, 1958 Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling August 17, 1958. Finished drilling August 24, 1958.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(gross) (Denote gas by G)

No. 1, from 4776 to 4890	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	107	100	Displacement	---	---
4-1/2"	4916	150	"	---	---

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 1920 feet, and from --- feet to --- feet
Cable tools were used from --- feet to --- feet, and from --- feet to --- feet

DATES

October 8	1958	Put to producing	September 22	1958
The production for the first 24 hours was	170	barrels of fluid of which	99.7	% was oil; %
emulsion; % water; and 0.3. % sediment.		Gravity °Bé.	xxx	approx. 40° API
If gas well, cu. ft. per 24 hours		Gallons gasoline per 1,000 cu. ft. of gas		
Rock pressure, lbs. per sq. in.				

EMPLOYEES

----- J. Speaker -----	Driller	----- Brinkerhoff Drilling Company -----	Driller
----- E. Babcock -----	Driller	----- C. Adams -----	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1112	1311	199	Pictured Cliffs
1311	1490	179	Lewis
1490	1965	475	Cliff House
1965	3618	1653	Allison Menefee
3618	3770	152	Point Lookout
3770	4684	914	Mancos
4684	—	—	Gallup

Form 2-326

UNITED STATES
DEPARTMENT OF THE INTERIOR
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LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company

State

County

Section

Range

Township

Location

The information given hereafter is a complete and correct record of the well and its casing, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Attached: Drilling History

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD			
TOOL JOBS			
SHOTS AND DYNAMITE			
MUDLOGGING AND CEMENTING RECORD			

DRILLING REPORT
FOR PERIOD ENDING

Disti

(FIELD)

11

(SECTION OR LEASE)

San Juan, New Mexico

(COUNTY)

8-24-58

T25N R12W

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS													
	FROM	TO														
			Location: 1910'N and 590'E of SW Corner Sec. 11, T25N, R12W, NMPM, San Juan County, New Mexico. Elevations: DF 6249.5 GR 6242.1 KE 6250.7													
8-17 to 8-18	0	2180	Spudded 8:45 A.M. 8-17. Run and cemented (97%) 8-5/8", 24#, J-55 national casing at 107' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement 12 hours. Pressure tested casing with 500 psi, OK.													
8-19 to 8-23	2180	4910	Drilled 2730'. Twisted off at 1960' leaving 10 drill collar in hole, recovered with overshot.													
8-24	4910	4920	Drilled 10'. Ran Electrical Survey and microlog. Ran and cemented (1906') 4-1/2", 9.5# casing at 4916' with 150 sacks cement treated with 4% gel. Displaced with oil. Final pressure 1800 psi. Released rig 6:15 P.M. 8-24-58.													
			Checked BOP daily Mud Summary wt 9.2-9.9# gal. vis. 38 -65 sec. WL 5.2-8.8 cc FC 2/32" Contractor: Brinkerhoff Drilling Company Drillers : C. C. Adams J. Speaker E. Babcock													
CONDITION AT BEGINNING OF PERIOD <table border="1"> <thead> <tr> <th colspan="3">HOLE</th> <th rowspan="2">CASING SIZE</th> <th rowspan="2">DEPTH SET</th> </tr> <tr> <th>SIZE</th> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> DRILL PIPE SIZE				HOLE			CASING SIZE	DEPTH SET	SIZE	FROM	TO					
HOLE			CASING SIZE	DEPTH SET												
SIZE	FROM	TO														

C. Bremer

SIGNED

DRILLING REPORT FOR PERIOD ENDING

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

8-24-58

11

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-29	4920 4900	TD PBTD	Cleaned out hard cement from 4850 to 4900
8-30			Bullet perforated four 1/2" holes/ft. 4776-4810, 4814-4829, 4856-4869, 4873-4890.
8-31 to 9-1			Ran tubing - made 12 hour pressure survey. Spotted 200 gal mud acid.
9-2			Sand Oil Fracture treatment #1. Broke down formation at 1600 psi. Injected a total of 50,000 gal crude with 1 #1 gal sand and 400 nylon core balls as follows, 368 bbls dropped 75 balls, 120 bbls dropped 75 balls, 240 bbls dropped 60 balls, 120 bbls dropped 60 balls, pressure increased from 2650 to 2800 psi. Maximum pressure 2800 psi, minimum pressure 2000 psi. Average rate 36.2 bbl/min. Flushed with 160 bbls crude.
9-3			Cleaned out frac sand from 4840 to 4900. Ran tubing to 4770.
9-4 to 9-11			Flowed and recovered 1368 bbls load and frac oil-well died.
9-12 to 9-17			Installed pumping unit.
9-18 to 9-21			Pumped and recovered remaining 125 bbls load and frac oil.
9-22			INITIAL PRODUCTION Pumped (24 hrs.) 170 B/D gross, 169 B/D clean cut 0.3%, Gas 83 MCF/D, GOR 490 Completed 9-22-58.
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
12-1/4"	0	115	8-5/8"
7-7/8"	115	4920	4-1/2"
DRILL PIPE SIZES			CB
4-1/2"			

C. Bremer

SIGNED