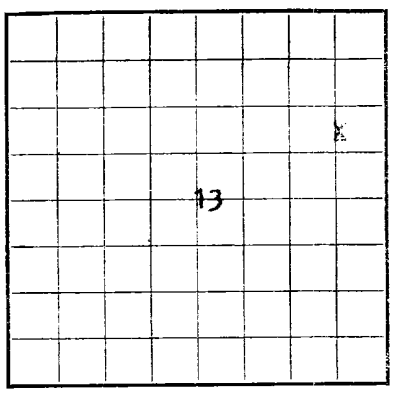
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Santa Fe, N. Mexico
Serial Number SF 078064
Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P.O. Box 153, Farmington, N. Mexico
Lessor or Tract Federal-Carson Unit Field Blanco State New Mexico
Well No. 42-13 Sec. 13 T. 25N R. 12W Meridian NMPM County San Juan
Location 1980 ft. {N./S.} of N Line and 660 ft. {E./W.} of E Line of Section 13 Elevation 6387' 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

Date September 10, 1959 Title Exploitation Engineer

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

Commenced drilling August 9, 19 59 Finished drilling August 16, 19 59

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 4886 to 4898 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. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8-5/8	24	—	Nat'l	95	Baker	—	—	—	Surface
4-1/2	9.5	—	—	4894	Baker	—	4886	4898	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	106	100	Displacement	—	—
4-1/2	4903	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 4903 feet, and from — feet to — feet
Cable tools were used from — feet to — feet, and from — feet to — feet

DATES

September 10, 19 59 Put to producing August 29, 19 59

The production for the first 24 hours was 115 barrels of fluid of which 99.6 % was oil; % emulsion; % water; and 0.4 % sediment. Gravity, °Bé. 40° API approx.

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. Spenker, Driller Drinkerhoff Drilling Co. E. Babcock, Driller
C. Adams, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1210	1406	196	Pictured Cliffs
1406	1571	165	Lewis
1571	2027	456	Cliff House
2027	3706	1679	Allison - Menefee
3706	3877	171	Point Lookout
3877	4785	908	Mancos
4785	—	—	Gallup

(OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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, size, 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

PD 4A 2-50 PRINTED IN U. S. A. 3-58
P eprint #M 1718-P 5-59

SHELL OIL COMPANY

Carson Unit 42-13
WELL NO.

DRILLING REPORT
FOR PERIOD ENDING 8-17-59

Bisti
(FIELD)

San Juan, New Mexico
(COUNTY)

13
(SECTION OR LEASE)

T25N R12W
(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			Location: 1980' S and 660' W of NE corner Section 13, T25N, R12W, NMPM, San Juan County, New Mexico Elevations: DF 6385.5' GR 6378.0' KB 6387.0'
8-9 to 8-10	0	2370	Spudded 8:00 A.M. 8-9-59. Ran and cemented (95') 8-5/8" 24#, J-55 casing at 106' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Tested BOP and casing with 700 psi, OK.
8-11 to 8-14	2370	4701	Drilled 2331'.
8-15 to 8-17	4701	4903	Drilled 202'. Ran SP-contact caliper log. (Drilled only through the GC Sand) Ran and cemented (4894') 4-1/2", 9.5#, J-55 casing at 4903' with 150 sacks cement treated with 4% gel, displaced with oil. Held 1800 psi on casing for 1/2 hour, OK. Released rig 4:45 A.M. 8-17-59. Checked BOP daily Mud Summary wt. 9.2-9.7#/gal. vis. 45-120 sec. WL 5.8-7.6 cc FC 2-3/32" Contractor: Brinkerhoff Drilling Co. Drillers: J. Speaker C. Adams E. Babcock

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

M. W. McGarry

PD 4A 2-50 PRINTED IN U.S.A. 3-58
Preprint #M 1718-P 5-59

SHELL OIL COMPANY

Carson Unit WELL NO. 42-13

DRILLING REPORT
FOR PERIOD ENDING 8-17-59

Bisti (FIELD)
San Juan, New Mexico (COUNTY)

13 (SECTION OR LEASE)
T25N R12W (TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
8-17	4903 TD		Perforated four 1/2" holes/foot 4886-98'.
8-18			Ran tubing.
8-19			Spotted 200 gallons mud acid. Swabbed.
8-20			Swabbed dry in 6 hours. Recovered 65 barrels oil. (Load oil used - 74 barrels).
8-21			Sand oil fractured with 25,000 gallons crude, 1#/gallon sand. Maximum pressure 3000 psi. Average injection rate 29 barrels/minute.
8-22			Bailed 6' frac sand. Ran 2" tubing to 4890'. Ran rods and pump.
8-23 to 8-28			Pumped and recovered all load and frac oil, 860 barrels.
8-29			INITIAL PRODUCTION Pumped 115 B/D gross, 115 B/D oil, 0.4% cut, 430 MCF/D gas. GOR 3700. Completed 8-29-59.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
12-1/4	0	115	8-5/8	106'
7-7/8	115	4903	4-1/2	4903'

DRILL PIPE SIZES 4-1/2

M. W. McGarry