



RECEIVED
JUL 23 1958
OIL CON. COM.
DIST. 3

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

U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 078064
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 South Behrend, Farmington, N.M.
Lessor or Tract Federal-Carson Unit Field Risti State New Mexico
Well No. 21-24 Sec. 24 T. 25N R. 12W Meridian NMPM County San Juan
Location 660 ft. ^[N]_S of N Line and 1881 ft. ^[E]_S of W Line of Sec. 24 Elevation 6437 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 July 8, 1956 Title Exploitation Engineer

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

Commenced drilling March 29, 1958 Finished drilling April 4, 1958

OIL OR GAS SANDS OR ZONES

(gross) (Denote gas by G)

No. 1, from ~~4876~~ to ~~4990~~ 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"	5013'	150	Displacement	---	---

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 5015 feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

-----**July 8**-----, 19**58** Put to producing -----**June 27**-----, 19**58**

The production for the first 24 hours was 146 barrels of fluid of which 99.8% was oil; -----% emulsion; -----% water; and 0.2% sediment. Gravity, 52 Approx. 33° 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 Brinkerhoff Drilling Company

W. F. Black	Driller	E. Babcock	Driller
G. C. Adams	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1332	1415	83	Pictured Cliffs 1
1415	1582	167	Lewis
1582	2081	499	Cliff House
2081	3716	1635	Allison Mensfee
3716	3862	146	Point Lookout
3862	4779	917	Mancos
4779	----	---	Gallup

SHELL OIL COMPANY

Carson Unit

WELL NO. 21-24

DRILLING REPORT

FOR PERIOD ENDING

Blatt

(FIELD)

San Juan, New Mexico

(COUNTY)

4-4-58

24

(SECTION OR LEASE)

T25N, R12W

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 660'S and 1881'E of NW Corner, Sec. 24, T25N, R12W, NMPM, San Juan County, New Mexico.</p> <p><u>Elevations:</u> DF 6435.7 GR 6428.2 KB 6436.7</p>
3-29 to 3-30	0	2292	Spudded 2:30 P.M. 3-29-58. Ran and cemented (97') 8 5/8", 24#, J-55 Nat'l casing at 107' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
3-31 to 4-3	2292	4863	<u>Drilled 2571'.</u>
4-4	4863	5015	<p><u>Drilled 152,</u> Ran Electrical Survey and Microlog. Ran and cemented (5003') 4 1/2", 9.5#, J-55 casing at 5013' with 150 sacks cement treated with 4% gel. Displaced with oil. Released rig 12 midnight 4-4-58.</p> <p>Checked BOP daily</p> <p>Mud Summary Wt 9.5-9.7#/gal. Vis 38-95 sec WL 5.9-7.3 cc FC 2/32"</p> <p>Contractor: Brinkerhoff Drilling Company Drillers: W. F. Black C. C. Adams E. Babcock</p>

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

SHELL OIL COMPANY

Carson Unit

WELL NO. 21-24

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

6-27-58

24

(SECTION OR LEASE)

T25N. R12W

(TOWNSHIP OR RANGE)

DAY	DEPTH		REMARKS
	FROM	TO	
4-11	5015	TD	Ran Gamma Ray- collar log, perforated four 1/2" holes/ft. 4876-4904, 4939-4950, 4956-4968, 4973-4990.
4-12 to 4-13			Ran tubing to 4990'. Spotted 200 gallons mud acid in perforations, pulled tubing. <u>Sand oil fracture treatment #1</u> . Broke down formation at 1200 psi. Injected 72,000 gallons crude oil and 76,000 # sand plus 250 nylon core balls (no pressure increase). Maximum pressure 2800 psi, minimum pressure 2600 psi, average rate 43.2 bbl/min. Flushed with 160 bbls. crude.
4-14			Cleaned out frac sand 4975' to 5002'. Ran and landed tubing at 4868'.
4-15 to 6-26			Swabbed and pumped, recovered all load and frac oil, <u>2037 bbls.</u>
6-27			INITIAL PRODUCTION Pumping 146 B/D gross; 146 B/D clean, cut 0.2%, Gas 31 MCF/D, GOR 210, TP 75, CP 75, Completed 6-27-58

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 1/4"	0	115	8 5/8"	107'
7 7/8"	115	5015	4 1/2"	5013'
DRILL PIPE SIZES				

E. B. Johnstone


 JUN 28 1958