2 CC SENT O.C.C. 1/22/59

Form 9-330

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

U. S. LAND OFFICE Jicarilla Tribal
SERIAL NUMBER Jicarilla "B"
LEASE OR PERMIT TO PROSPECT
Contract #68

JAN 23 1959 OIL CON. COM. DIST.

x #18
Sec. 31

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company SKELLY OIL COMPANY Address Box 426 - Farmington, New Mexico
Lessor or Tract Jicarilla "B" Field Otero (Gallup) State New Mexico
Well No. 18 Sec. 31 T. 25N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1980 ft. [N.] of N Line and 1980 ft. [E.] of W Line of Section 31 Elevation 6720'
(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 (Signed) E. E. Cosper

Date January 22, 1959 Title District Superintendent

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

Commenced drilling December 6, 1958 Finished drilling December 22, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5985' to 5995' No. 4, from 6078' to 6086'
No. 2, from 6021' to 6036' No. 5, from to
No. 3, from 6048' to 6066' No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

OD Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10-3/4"	32.75#	8R	H-40	302'	Cement guide.				
5-1/2"	15.5#	8R	J-55	6183'	Cement guide & float collar.		5985	5995	Production
							6021	6036	Production
							6048	6066	Production
							6078	6086	Production

MUDDING AND CEMENTING RECORD

OD Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	310'	300	Halliburton		
5-1/2"	6152'	625 reg. & 114 sacks	Halliburton		

Temperature survey indicated top of cement behind 5½" OD casing at 5116'. (1st stage.)
Temperature survey indicated top of cement behind 5½" OD casing at 1836'. (2nd stage.)

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

Well was Sand/Oil Fraced

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Treated formation down 5½" OD casing w/10,000# 20/40 sand & 10,080 gals. lse. oil by Dowell. BDP 2600#, Max. TP 3400#, Min. TP 2600#. Perfs. sanded off; reversed sand out of casing. Inj. rate 16 BPM. Standing pressure 1000#. Standing pressure in 80 min. 1000#.						

TOOLS USED

Rotary tools were used from 0 feet to 6154 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

January 22, 1959 Put to producing January 17, 1959

The production for the first 24 hours was 160 barrels of fluid of which 99.8% was oil; .2% emulsion; ____% water; and ____% sediment. Gravity, °Bé. 41.7

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Nichols Drilling Company, Inc., Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2622	2622	Sand & Shale.
2622	2697	75	Sand & Shale - Top Pictured Cliffs 2622'
2697	4170	1473	Sand & Shale - Top Lewis 2697'
4170	4249	79	Sand & Shale - Top Cliff House 4170'
4249	4818	569	Sand & Shale - Top Menefee 4294'
4818	5027	209	Sand & Shale - Top Point Lookout 4818'
5027	5932	905	Sand & Shale - Top Mancos 5027'
5932	6019	87	Sand & Shale - Top Gallup 5932'
6019	6154	135	Sand & Shale - Top Middle Gallup 6019'
			Tops by Schlumberger Induction-Electric Log
TOTAL DEPTH		6154'	
PLUGGED BACK TOTAL DEPTH		6077'	

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.