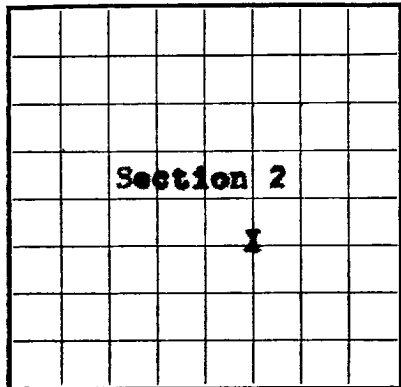
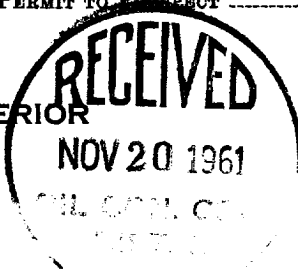


U. S. LAND OFFICE _____
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____



Indian Agency: Navajo
Lease No. 1-89-IND-56

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 1112, Durango, Colorado
Lessor or Tract Navajo Field Hattiesville State New Mexico
Well No. 136 Sec. 2 T. 29N R. 19W Meridian NMPN County San Juan
Location 1960 ft. N of 5 Line and 1940 ft. E of 5 Line of Sec. 2 Elevation 5257
(Barrel 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.
Original Signed By H. D. HALEY
Signed _____
Date November 13, 1961 Title District Superintendent

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

Commenced drilling September 21, 1960 Finished drilling November 10, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6432 to 6462 (G) No. 4, from _____ to _____
No. 2, from 6640 to 6692 (O&G) No. 5, from _____ to _____
No. 3, from 6723 to 6750 (O&G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 7562 to 4077 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	Cdt and pulled from	Perforated		Purpose
							From—	To—	
20"	98	8 rd.	J-55	1371					Surface
7"	21	8 rd.	J-55	1802					Production
7"	23	8 rd.	N-80	1341	Baker	CV2 MET.	6681	6691	Zone III
							6726	6750	Zone IV
							6432	6462	(Shut-off)

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	112	135	Displacement		
7"	6853	170	Displacement		
Stage Collar	970'	230 sks.	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 6853 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 13, 1961 Put to producing December 27, 1960
The production for the first 24 hours was 439 barrels of fluid of which 9 % was oil; _____ % emulsion; 91 % water; and _____ % sediment. Gravity 82.6 API 40.2
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure lbs. per sq. in. 1400

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Spudded 9-27-60. Drilled 15" pilot hole to 120', reamed 2 1/2" hole to 112'. Ran 112', 20" O.D. surface casing and cemented to surface with 135 sacks regular. Drilled 12 1/4" hole to 4143'. Reduced hole size to 8 3/4" hole and drilled to 6290'. Had loss circulation troubles from 5708'-5893'. Cored from 6262' to 6262' in Baradox lime stone. Had slight loss circulation trouble. Cored from 6262' to 6272'. Drilled 8 1/4" hole to 6368'. Some loss circulation. Cored from 6368' to 6416'. Cored from 6416' to 6462'. DST #1 6358' to 6462'. Gas to surface in 2 min., recovered 300' HGM. Cored from 6462' to 6511'. Cored from 6511' to 6567'. DST #2 6467' to 6567'. Recovered 10' mud with show of oil. Cored from 6567' to 6616'. DST #3, 6466' to 6616'. Recovered 100' gas cut mud. Cored from 6616' to 6656'. Cored from 6656' to 6715'. Loss circulation from 6691' to 6707'. DST #4, 6655' to 6715'. Gas to surface in 5 min., recovered 100' of HGM. Cored from 6715' to 6794'. Cored from 6794' to 6783'. Drilled 8 1/4" hole to 6853'. T.D. DST #5, 6761' to 6853'. Recovered 60' slightly gas cut mud. Ran 223 fts. of 7" OD production casing set at 6853' with stage collar @ 970'. Cemented through shoe with 75 sacks regular mixed with 75 cu. ft. create followed with 20 sacks regular. Cemented through stage collar to cover Baradox formation, with 125 sacks regular mixed with 75 cu. ft. stratoblocks, followed with 30 sacks regular. Cemented from 6726' to 6750' with 4 sacks per foot. LPP 127-60, 39 BOPD and 390 BWP, API Gwenny 40.2, GOR 1500. On 1-28-61, perforated upper Baradox from 6432' to 6462', and tested for 331 MCFD. Added with 1000 gals. 15% XFM followed with 9000 gals. 7 1/2% XFM with M8 additive. Shut-off zone in production. On 6-1-61, perforated 6681' to 6691' and installed submersible type pump. Established LPP of 186 BOPD and 822 BWP.

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

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