

U. S. LAND OFFICE
SERIAL NUMBER **MP-07306**
LEASE OR PERMIT TO PROSPECT104-10 SF
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
APR 7 1961
D. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Spears Oil Prod. Co., Inc.** Address **743 Petroleum Bldg., Roswell, N.M.**
Lessor or Tract **Leonard-Federal** Field **Undesignated** State **New Mexico**
Well No. **2-A** Sec. **35** T. **108R** R. **25E** Meridian **NMPN** County **Chaves**
Location **660** ft. **N.** of **N** Line and **2300** ft. **E.** of **E** Line of **Sec. 35** Elevation **3719**
(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 *Letty S. Spina*Date **March 28, 1961**Title **Agent**

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

Commenced drilling **2-2**, 19 **61** Finished drilling **3-28**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1225** to **1235** 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		Purpose
							From—	To—	
5 1/2"	128			1302	Mallibarton		1225	1235	oil string & surface
					Guideshoe				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 1/2"	1302	500	pump & plug		

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 **1302** feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 28, 19 **61** Put to producing **March 28**, 19 **61**The production for the first 24 hours was **30** barrels of fluid of which **75** % was oil; _____ % emulsion; **25** % water; and _____ % sediment. Gravity, °Bé. **24**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller **Walker Drilling Co.**, Driller_____, Driller **Pecos, Texas**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	658	658	Gyp. redbeds & sand
658	1302	644	Dolomite, occasional anhydrite.
Core #1 1192-1243' Recovered 53 feet being			
	1192	1201	Dolomite, gray, white, anhydritic, NS
	1201	1204	Dolomite, light with VSSO
	1204	1205.5	Dolomite, dense, NS
	1205.5	1211.5	Dolomite, M-F xln, fair to good ppp, oil saturated w/slight water stn.
	1211.5	1215	Dolomite, dense, VSSO
	1215	1223	Dolomite, good porosity, oil saturated occasional fractures.
	1223	1225	Dolomite, dense, VSSO
	1225	1230	Dolomite, good inter xln porosity, oil saturated.
	1230	1231	Dolomite, VSSO
	1231	1234.5	Dolomite, oil saturated
	1234.5	1235.5	Dolomite, VSSO
	1235.5	1237	Dolomite, with occasional 1/4" vugs, oil saturated
	1237	1240	Dolomite, dense, VSSO, tight
	1240	1241	Shale, black, dense.
	1241	1243	Dolomite, occasional anhydrite incis., good intergrnly to vugular porosity, oil saturated.

[OVER]

FORMATION RECORD—CONTINUED

10-48094-1

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
Core #2 1243-1248, recovered 5 feet being dolomite, gray, fine-medium, green, good intergrit and vug porosity, oil saturated, some water contamination.	1248	1250.5	Dolomite, as in core #2
	1250.5	1254	Dolomite with ir pyrite and oil stain
	1254	1263	Dolomite, dense, 1 x in, tight MS
	1263	1268	Dolomite, dense, occ. V fractures.
	1268	1271	Dolomite, shaly, MS
	1271	1274	Dolomite, dense, tight, MS
	1274	1284	Dolomite, 1 x in to granular porosity w/SSO
	1284	1292	Dolomite, dense with scattered sil
	1292	1295.5	Dolomite, good stain
	1295.5	1297	Dolomite, dense, with VSSO, occasional anhydrite inclusions
	1297	1300	Dolomite, with anhydrite inclusions, tight with KM saturations.
Core #3 1248-1300, recovered 52 feet being,			

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

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