

U. S. LAND OFFICE 10

SERIAL NUMBER **061614**

LEASE OR PERMIT TO PROSPECT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Kastcoast Hydrocarbons, Inc. Address Box 660, Roswell, New Mexico
 Lessor or Tract Hopp-Federal Field Wildcat State New Mexico
 Well No. 1 Sec. 28 T. 15S R. 28E Meridian N.M.P.M. County Chaves
 Location 1730 ft. { N } of N Line and 1980 ft. { E } of E Line of SW 1/4 NE 1/4 Sec. 28 Elevation 3641 D.P.
(D.P. means 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.

Date 1/6/53 Signed Burton Vetete
Title Geological Engineer

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

Commenced drilling **August 25**....., 19**52** Finished drilling **December 22**....., 19**52**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **7636** to **7731 (Q show)** No. 4, from _____ to _____
 No. 2, from **7731** to **7846 (Q show)** No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 3040' to 3060' No. 3, from 10,120' to 10,158'
No. 2, from 7870' to 7890' 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—	
13 3/8"	48	8		211'	Belled	None			Surface csg.
9 5/8"	12	8		2099'	Baker	None			Intermediate csg.
(Some 9 5/8" csg. may be salvaged at a later date)									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	227'	225	Pump		
9 5/8"	2090'	225	Pump		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 10.158 feet, and from _____ feet to _____ feet

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

DATES

Put to producing _____, 19____

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

A. D. Higgins, Driller T. H. Smith, Driller

A. J. Porter, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1580	1600	100	60% white anhy + 40% red shale
1680	1680	80	Same as above
1680	1700	20	10% gray dolomite + anhy and red shale
1700	1800	100	White anhy w/tr. of Dolo. and red shale
1800	1910	110	White anhy
1910	2000	90	50% gray Dolo. 40% anhy + 10% red shale
2000	2100	100	Top of San Andres 1910
2100	2260	160	Lt. gray dense Dolo w/20% anhy + Tr. shale.
2260	2400	140	9 5/8-2090-w/225 sacks
2400	2500	100	Tan dense Dolo. w/tr. red shale
2500	2800	300	gray dense Dolomite
2800	3000	200	Gray-brown dense Dolomite
3000	3100	100	Gray-tan-fine lln. Dolomite
3100	3285	185	Gray lln. Dolomite
3285	3350	65	Gray lln. For. Dolomite show oil water
3350	3500	150	Gray lln Dolomite w/30% Gray Lime.
3500	3580	80	30% fine Grain white sand w/PQG + 70% Dolomite
3580	3700	120	Top of Glorieta 3285.
3700	3900	200	Gray Dense Dolomite w/tr. anhy
3900	4200	300	50% anhy + 50% gray dense Dolomite
4200	4600	400	30% sand + 70% Dolomite
4600	5000	400	Gray-brown fine lln. Dolomite w/tr. anhy
5000	5300	300	Gray fine lln. Dolomite
			Grayish brown lln. Dolomite
			Gray to tan lln. Dolomite w/tr. gray fine sand
			Gray to dark gray dense Dolomite

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. The Devonian was topped @ 10,080' where water was encountered @ the TD of 10,158'. No economical quantities of oil or gas will encountered and the well has been plugged and abandoned as a dry hole.

HISTORY OF OIL OR GAS WELL

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FROM-	TO-	TOTAL FEET	FORMATION
5300	5430	130	Gray tan Xln. Dolomite w/tr. anhy
5700	5900	200	Green & Red shale w/tr. Dolomite
5900	6200	300	Gray dense dolomite w/tr. red & green shale
6200	6380	180	Gray dense Dolomite w/tr. anhy
6380	6500	120	Dark gray dense Dolomite w/10% anhy
6500	6670	170	Gray-tan Xln. Dolomite w/tr. red & green shale
6670	6720	50	Gray-tan Xln. Dolomite w/10% chert
6720	6800	80	Gray loss. lime w/tr. Dolomite
6800	7000	200	Gray dense Xln. loss. lime
7000	7300	300	Gray dense-white chalky loss. lime
7300	7600	300	Lt. gray-white Xln. loss. lime w/tr. Gray shale
7600	7640	40	White chalky lime
7640	7730	90	Buff Xln. Dolomite slight show gas
7730	7840	110	Gray-tan Xln loss. lime w/slight show gas
7840	7900	60	White chalky loss., lime w/show salt water
7900	8030	130	Gray Xln.-chalky lime
8030	8050	20	40% black shale / 60 lime
8050	8140	90	Buff Xln. lime w/tr. black shale
8140	8180	40	Gray Xln loss. lime w/tr. Qtz. sand
8180	8190	310	Gray Xln. loss. lime w/30% red & gray shale
8190	8550	60	Buff Xln. lime w/tr. tan chert
8550	8600	50	Lime w/20% Qtz. sand / 30% red & gray shale
8600	8800	200	Gray-tan Xln. loss. lime w/10% red & gray shale
8800	8900	100	Gray Xln. loss. lime w/tr. sand & chert
8900	8960	60	Gray Xln. loss. lime w/20% black shale
8960	9100	140	Lime / 10% sand / 30% black shale
9100	9300	200	Gray Xln. loss. lime w/tr. sand / 30% bl. shale
9300	9480	180	Gray loss. lime / 40% black shale
9480	9500	20	ool. lime / 20% black shale
9500	9575	75	Gray granular lime
9575	9700	125	Gray Xln. sandy lime / 20% blue chert
9700	9840	140	Gray fine Xln. lime w/tr. chert
9840	9890	50	Gray loss. lime / 30% chert
9890	10040	150	Gray loss. lime w/20% black shale
10040	10080	40	Gray fine sand / 50% lime & shale-Top 10080
10080	10160	80	White Xln Dolomite w/tr. chert-Top Dev. 10080 sul water 10130-10160