



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico 87500

1959 FEB 27 PM 2:40
WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Inca Drilling Company
(Company or Operator)

Vallye M. Hardin
(Lease)

Well No. 1, in SE 1/4 of SE 1/4, of Sec. 31, T. 17S, R. 39E, NMPM.

Wildcat Pool, Lea County.

Well is 660 feet from South line and 660' feet from East line

of Section 31. If State Land the Oil and Gas Lease No. is

Drilling Commenced 22 January, 1959. Drilling was Completed 12 February, 1959.

Name of Drilling Contractor H ask Drilling Company

Address P. O. Box 5108, Abilene, Texas

Elevation above sea level at Top of Tubing Head 3651' DF. The information given is to be kept confidential until, 19

OIL SANDS OR ZONES

No. 1, from None to No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

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

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8	28#	Used	325.66				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/2	8 5/8	326	250	Halliburton	10.1 3/gal.	Full Hole

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Result of Production Stimulation

Depth Cleaned Out

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drillstem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used fromfeet to.....feet, and from.....feet to.....feet.
Cable tools were used from.....feet to.....feet, and from.....feet to.....feet.

PRODUCTION

Put to Producing..... 19.....

OIL WELL: The production during the first 24 hours wasbarrels of liquid of which.....% was
was oil;% was emulsion;% water; and.....% was sediment. A.P.I.
Gravity.....

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.....	2040	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	2115	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....		T. Montoya.....	T. Farmington.....
T. Yates.....	3292	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....		T. McKee.....	T. Menefee.....
T. Queen.....	4170	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....		T. Gr. Wash.....	T. Mancos.....
T. San Andres.....	5060	T. Granite.....	T. Dakota.....
T. Glorieta.....		T.	T. Morrison.....
T. Drinkard.....		T.	T. Penn.....
T. Tubbs.....		T.	T.
T. Abo.....		T.	T.
T. Penn.....		T.	T.
T. Miss.....		T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			<u>SEE ATTACHMENT</u>				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator **Inca Drilling Company**

Name **Elizabeth Long**

Sublet Day 26 February, 1959 (Date)
Address 201 Central Bldg., Midland, Texas
Post Office Title Engineering Assistant

Post: State **Engineering Assistant**

INCA DRILLING COMPANY
Valley M. Hardin No. 1
Lea County, New Mexico.

SPUDDED 1/22/59
COMPLETED 2/12/59
325.66' of 8 5/8" surface casing cemented
by HOWCO w/250 sacks reg cement 2% CC
5497' - Total Depth

Hack Drilling Company
2601 Butternut Street
P. O. Box 5108
Abilene, Texas
Glen Williams - Packer

DEPTH		
FROM	TO	FORMATION
0	335	Surface
335	860	Sand, Red Bed
860	1688	Red Bed, Anhydrite
1688	2105	Red Bed
2105	2270	Anhydrite, Red Bed and Salt
2270	3105	Salt
3105	3285	Salt, Anhydrite, gypsum
3285	4215	Anhydrite, gypsum
4215	4281	Sand, Anhydrite, Gypsum
4281	4321	Gypsum, Sand, Anhydrite
4321	4415	Anhydrite, Gypsum
4415	4444	Lime, Anhydrite, Gypsum
4444	4545	Anhydrite, Gypsum
4545	4569	Lime, Gypsum, Anhydrite
4569	4624	Anhydrite, Gypsum
4624	4785	Lime, Gypsum, Anhydrite
4785	4845	Anhydrite, Gypsum
4845	4940	Anhydrite, Gypsum, Lime
4940	4995	Lime, Sand, Anhydrite
4995	5082	Lime, Sand, Anhydrite
5082	5144	Lime
5144	5164	Lime, Sand, Anhydrite
5164	5195	Lime
5195	5218	Lime, Sand
5218	5497	Lime
5497	TOTAL DEPTH	

Well plugged by Halliburton Oil Well Cementing Company:
20 sacks cement in bottom 5497' to 5437'; 10 sacks cement 3300' to 3270';
25 sacks cement 2000' to 1925'; 20 sacks cement 360' to 300';
10 sacks cement top of surface casing. Steel cap screwed into top of surface
casing and registration marker inscribed and welded upright to top of steel cap.

I, E. E. McGill, after first having been duly sworn on oath, state that I have
knowledge of the facts and matter contained hereinabove and it is copy of driller's log
of Inca Drilling Company #1 Valley Hardin Well, Lea County, New Mexico.

E. E. McGill

SWORN and subscribed to before me, F. H. Lloyd, Notary Public in and for Taylor
County, Texas, this the 16th day of February 1959.

F. H. Lloyd

WELL DATA SHEET

Inca Drilling Co. #1 Vallye Hardin
660 ft. from South and East lines
of Section 31, Township 17 South, Range
39 East, Lea County, New Mexico

Elevation:	3651' D. F.
Top Anhydrite (Gamma Ray)	2040 (+1611)
Top Salt (Gamma Ray)	2115 (+1536)
Top Yates Sand (Gamma Ray)	3292 (+359)
Top Queen Sand (Gamma Ray)	4170 (-519)
Top San Andres Dolomite (Gamma Ray)	5060 (-1409)
Total Depth (Driller)	5497 (-1846)

Drill Stem Tests:

- #1 5386-5435 Tool open: 30 minutes. Tool Shut In: 15 minutes. Recovered 10 ft. drilling mud. Hydrostatic Pressure: 3125#; other pressures: 0.
- #2 5436-5497 Tool open: 1 hr. 15 minutes. Tool Shut In: 20 minutes. Weak blow 1 hr. and died. Recovered 140 ft. gas in drill pipe, 130 ft. fluid being 20 ft. heavy oil cut mud and 110 ft. brackish salt water. Initial and Final Flow: 0. Initial and Final Hydrostatic Pressure: 3100#; Bottom Hole Shut In Pressure: 1700#.