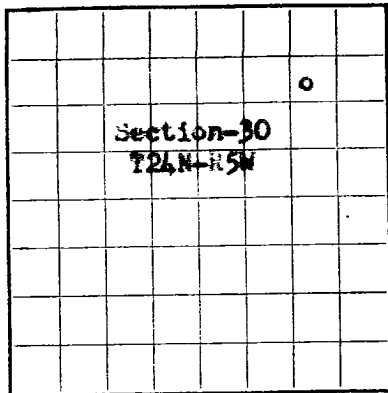
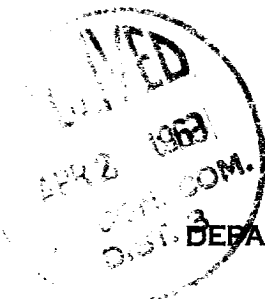




LOCATE WELL CORRECTLY

Indian Agency
U. S. LAND OFFICE Dulce, New Mex.
SERIAL NUMBER Cont. 11-1r-19
LEASE OR PERMIT TO PROSPECT
J. Apache "B"UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Veracruce Petroleum Corporation Address Box 1469, Durango, Colorado
Lessor or Tract Federal Gov't. (Apache) Field basin Dakota State New Mexico
Well No. 12 Sec. 30 T. 24N R. 5W Meridian NMP County Rio Arriba
Location 1175' ft. Top of N. Line and 1175' ft. Top of W. Line of Section 30 Elevation 6626'
(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 [Signature] L. A. PettyjohnDate March 29, 1963 Title District Field Clerk

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

Commenced drilling March 2, 1963 Finished drilling March 15, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2190'-2271' to P-C G. No. 4, from 6436'-6584' to Graneros - G
Cased thru D.V. Tool at 2365' & Protected No. 5, from 6584'-6700' to Dakota - G
No. 2, from P-C Zone, top to OR cement # 1985' No. 6, from Producing from above - See below
No. 3, from 5445'-6042' to Gallup Zone
Cased off, top of cmt. # 5400'

IMPORTANT WATER SANDS

No. 1, from None encountered 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—	
8-5/8"	24.0	8	J55	221'	TF	None - cement circulated			
3-1/2"	9.2	10	J55	6721'	None	None - producing string			
3-1/2"	String has D. V. Staging tool at 2365' cemented 4/75 sacks cement. Top of Cmt. outside 32' Csg. above D. V. tool at 1985'.								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	221'	200	Halliburton -	Cement circulated	
3-1/2"	6721'	350	Halliburton -		
3-1/2"	D. V. Tool - 2365'	4/75 Sacks Cement.			

PLUGS AND ADAPTERS

Heaving plug—Material None Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None - see below for perforating record.						

TOOLS USED

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

DATES

 , 19 Put to producing , 19 The production for the first 24 hours was barrels of fluid waiting on Sales Conn. tested 3/21/63 was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas est. 1-Bbl.Rock pressure, lbs. per sq. in. 170# Dist. on test.

EMPLOYEES

W. Huttenbiller, Driller G. Wilson, Driller
 , Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD			
0' to 6725' Sand and Shale			
N. CORNS TAKEN			
NO DRILL STEM TESTS TAKEN			

FORMATION RECORD			
Kirtland-Fruitland	1911'	+4717'	Upper Gallup 5445' +1183'
Pictured Cliffs	2190'	+4438'	Lower Gallup 5643' + 985'
Lewis	2271'	+4357'	Sanastee 6042' + 586'
La Ventana "A"	2996'	+3632'	Lower Mancos 6141' + 487'
Base La Ventana "A"	3146'	+3482'	Greenhorn 6360' + 268'
Allison-Cleary	3700'	+2928'	Graneros 6436' + 192'
Joint lookout	4380'	+2248'	Upper Dakota 6584' + 44'
Mancos	4568'	+2060'	Lower Dakota 6700' - 72'
3-20-63 - Drilled out 3 1/2" Casing to 6685' and tested 1 Hr. w/4500# pressure - Held OK.			
3-22-63 - Lane-wells Perforated from (6656'-6610')(6594'-6584')(6483'-6472') with 1-hole per Ft.			
Halliburton Sand-water treated w/70,000# Sand & 70,490 Gals. water thru above perforations, Breakdown Press. 2150#, Max. Press. 4400#, Avg. Inj. Rate 18.8 bbls./min. Dropped 32 sealer balls and had various pressure increases. Job finished at 11:09 AM, 3/22/63.			
Opened well to pit at 11:45 AM, flowed back fracture water and put on flow test, thru 3/4" Pos. choke, at end of 6 hour test well making gas vol. at the rate of 1,446 MCF/daily, w/Csg. P. 170#.			
Completed 3/22/63.			

(OVER)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW AND RO AD TO DO

A blank sheet of graph paper featuring a uniform grid of small squares. The grid is composed of thin, light gray lines forming a continuous pattern across the page. There are no margins, text, or other markings present on the paper.

FORWARDED BY COURTESY OF

The information on this page is for the use of the
 person to whom it is addressed only. It is not to be
 distributed to other personnel.

The number on the page 2 is the number of the page 2.

ALL OF GAS SANDS ON BOARD

2. $\log_{10} \text{days}(t)$

10	from 1.0%	from 1.0%
20	from 1.0%	from 1.0%
30	from 1.0%	from 1.0%
40	from 1.0%	from 1.0%

TOILET WATER

..... 01	 02	 03	 04	 05	 06	 07	 08	 09	 10	 11	 12	 13	 14	 15	 16	 17	 18	 19	 20	 21	 22	 23	 24	 25	 26	 27	 28	 29	 30	 31	 32	 33	 34	 35	 36	 37	 38	 39	 40	 41	 42	 43	 44	 45	 46	 47	 48	 49	 50	 51	 52	 53	 54	 55	 56	 57	 58	 59	 60	 61	 62	 63	 64	 65	 66	 67	 68	 69	 70	 71	 72	 73	 74	 75	 76	 77	 78	 79	 80	 81	 82	 83	 84	 85	 86	 87	 88	 89	 90	 91	 92	 93	 94	 95	 96	 97	 98	 99	 00
..... 01	 02	 03	 04	 05	 06	 07	 08	 09	 10	 11	 12	 13	 14	 15	 16	 17	 18	 19	 20	 21	 22	 23	 24	 25	 26	 27	 28	 29	 30	 31	 32	 33	 34	 35	 36	 37	 38	 39	 40	 41	 42	 43	 44	 45	 46	 47	 48	 49	 50	 51	 52	 53	 54	 55	 56	 57	 58	 59	 60	 61	 62	 63	 64	 65	 66	 67	 68	 69	 70	 71	 72	 73	 74	 75	 76	 77	 78	 79	 80	 81	 82	 83	 84	 85	 86	 87	 88	 89	 90	 91	 92	 93	 94	 95	 96	 97	 98	 99	 00

СЛОВЕНА ПРИКА

NAME	ADDRESS	CITY	STATE	ZIP	DATE	TIME	REMARKS
Mr. J. H. Smith	123 Main St.	Springfield	Ill.	62761	10/15/68	10:30	Called to report...
Mr. R. L. Jones	456 Oak Ave.	Chicago	Ill.	60601	10/16/68	11:00	Visited...
Mr. T. E. Brown	789 Elm St.	Peoria	Ill.	61601	10/17/68	14:00	Interviewed...
Mr. W. D. Miller	321 Pine St.	Rockford	Ill.	61101	10/18/68	15:30	Visited...
Mr. C. F. Wilson	654 Maple St.	Decatur	Ill.	62521	10/19/68	16:00	Interviewed...
Mr. B. G. Taylor	987 Cedar St.	Normal	Ill.	62451	10/20/68	17:00	Visited...
Mr. A. S. White	101 Birch St.	Urbana	Ill.	62501	10/21/68	18:00	Interviewed...
Mr. M. K. Green	234 Spruce St.	Champaign	Ill.	61821	10/22/68	19:00	Visited...
Mr. L. P. Black	567 Ash St.	Carbondale	Ill.	62901	10/23/68	20:00	Interviewed...
Mr. N. Q. Gray	890 Hickory St.	Macomb	Ill.	61451	10/24/68	21:00	Visited...
Mr. O. R. Hall	112 Walnut St.	Edwardsville	Ill.	62021	10/25/68	22:00	Interviewed...
Mr. P. S. King	345 Chestnut St.	St. Louis	Mo.	63101	10/26/68	23:00	Visited...
Mr. Q. T. Lee	678 Elm St.	Springfield	Mo.	65801	10/27/68	24:00	Interviewed...
Mr. R. U. Scott	901 Oak St.	St. Joseph	Mo.	64501	10/28/68	25:00	Visited...
Mr. S. V. Walker	123 Pine St.	Warrensburg	Mo.	64081	10/29/68	26:00	Interviewed...
Mr. T. W. Young	456 Cedar St.	Independence	Mo.	64901	10/30/68	27:00	Visited...
Mr. U. X. Allen	789 Birch St.	St. Louis	Mo.	63101	10/31/68	28:00	Interviewed...
Mr. V. Y. Baker	101 Spruce St.	Springfield	Mo.	65801	11/01/68	29:00	Visited...
Mr. W. Z. Carter	234 Ash St.	St. Joseph	Mo.	64501	11/02/68	30:00	Interviewed...
Mr. X. A. Evans	567 Hickory St.	Warrensburg	Mo.	64081	11/03/68	31:00	Visited...
Mr. Y. B. Foster	890 Walnut St.	Independence	Mo.	64901	11/04/68	32:00	Interviewed...
Mr. Z. C. Gibson	112 Chestnut St.	St. Louis	Mo.	63101	11/05/68	33:00	Visited...
Mr. A. D. Harris	345 Elm St.	Springfield	Mo.	65801	11/06/68	34:00	Interviewed...
Mr. B. E. Ingram	678 Oak St.	St. Joseph	Mo.	64501	11/07/68	35:00	Visited...
Mr. C. F. Jackson	901 Pine St.	Warrensburg	Mo.	64081	11/08/68	36:00	Interviewed...
Mr. D. G. Keller	123 Cedar St.	Independence	Mo.	64901	11/09/68	37:00	Visited...
Mr. E. H. Lewis	456 Birch St.	St. Louis	Mo.	63101	11/10/68	38:00	Interviewed...
Mr. F. I. Martin	789 Spruce St.	Springfield	Mo.	65801	11/11/68	39:00	Visited...
Mr. G. J. Nelson	101 Ash St.	St. Joseph	Mo.	64501	11/12/68	40:00	Interviewed...
Mr. H. K. Owen	234 Hickory St.	Warrensburg	Mo.	64081	11/13/68	41:00	Visited...
Mr. I. L. Parker	567 Walnut St.	Independence	Mo.	64901	11/14/68	42:00	Interviewed...
Mr. J. M. Quinn	890 Chestnut St.	St. Louis	Mo.	63101	11/15/68	43:00	Visited...
Mr. K. N. Reed	112 Elm St.	Springfield	Mo.	65801	11/16/68	44:00	Interviewed...
Mr. L. O. Scott	345 Oak St.	St. Joseph	Mo.	64501	11/17/68	45:00	Visited...
Mr. M. P. Taylor	678 Pine St.	Warrensburg	Mo.	64081	11/18/68	46:00	Interviewed...
Mr. N. Q. Walker	901 Cedar St.	Independence	Mo.	64901	11/19/68	47:00	Visited...
Mr. O. R. Young	123 Birch St.	St. Louis	Mo.	63101	11/20/68	48:00	Interviewed...
Mr. P. S. Allen	456 Spruce St.	Springfield	Mo.	65801	11/21/68	49:00	Visited...
Mr. Q. T. Baker	789 Ash St.	St. Joseph	Mo.	64501	11/22/68	50:00	Interviewed...
Mr. R. U. Carter	101 Hickory St.	Warrensburg	Mo.	64081	11/23/68	51:00	Visited...
Mr. S. V. Evans	234 Walnut St.	Independence	Mo.	64901	11/24/68	52:00	Interviewed...
Mr. T. W. Foster	567 Chestnut St.	St. Louis	Mo.	63101	11/25/68	53:00	Visited...
Mr. U. X. Gibson	890 Elm St.	Springfield	Mo.	65801	11/26/68	54:00	Interviewed...
Mr. V. Y. Harris	112 Oak St.	St. Joseph	Mo.	64501	11/27/68	55:00	Visited...
Mr. W. Z. Ingram	345 Pine St.	Warrensburg	Mo.				

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 balling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

WILLIAM J. CLAYTON