FORM C-105



AREA 640 ACRES LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

Amerada Petroleum Corporation Company or Operator	Drawer D, Monument, New Mexico.
J. G. Hare OWDD Well No. 2	in NW1 SW2 of Sec. 33
R. 37-E , N. M. P. M., Drinkard	Field,County.
	0 feet west of the East line of Section 33-T21S-R37F
If State land the oil and gas lease is No	Assignment No
If patented land the owner is	, Address
If Government land the permittee is	, Address
The Lessee is Amerada Petroleum Corporation	, Address Tulsa, 2, Oklahoma
Drilling commenced Lay 15, 19 46	Drilling was completed July 4, 1946
Name of drilling contractor MCVay & Stafford Drl.	g. Co. , Address Tulsa, ()klahoma.
Elevation above sea level at top of casing3452.	
The information given is to be kept confidential until	19
OLL SAND	S OR ZONES
No. 1, from 6490 to 6602	No. 4, fromto
No. 2, fromtoto	No. 5, fromto
No. 3, fromto	No. 6, fromto
IMPORTANT	WATER SANDS
Include data on rate of water inflow and elevation to whi	ich water rose in hole.
No. 1, fromto	feet
No. 2, fromto	feet
No. 3, fromto	feet
No. 4, fromto	feet
CASING	RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERF	ORATED	PURPOSE
		l					FROM	то	
B <u>5/8</u>	28	10	J&L	1202	-		1		
7"	20	10	J&L	35691					
5" OD	15	B	Seam	66231	Guide		6490	6504	Make wel
		L					6516	6554	H M
<u></u>		· ···· · ·····				•	6556	6602	. 11 11
			+		-	*	Total of	352 Sho	
								<i>>>-</i>	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USEI
6 1 #	5" OD	66231	300	Halliburton	·····	······································

PLUGS AND ADAPTERS

Heaving	plugMaterial	Length	Depth	Set	
Adapters	Material	Size			

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLE	ANED OUT
	NONE						
						· · · · · · · · · · · · · · · · · · ·	
	1						
Results of	shooting or cher	mical treatment					
······							
.							
		RECORD OF	DRILL-STEM	AND SPECIA	AL TESTS		
If drill-ste	m or other specia	al tests or deviation a	surveys were m	uade, submit	report on separate	sheet and att	ach hereto.
			TOOLS US	ED			
Rotary to	ols were used fr	om 3748 feet	to6623	feet, and	from	feet to	feet
		omfeet	-				
			PRODUCT				
Put to pro	ducing	Ly 6					
		2 14 2 193	•	rels of fluid	of which 99 8/1	6 /2 was oil	2/10 %
entuision;		water; and					•
If gas wel		ours			-		
		in					
			EMPLOY	ana a			
77				-			
	N. naase		, Driller	يا (ohn Carter		, Driller
		FORMATI	ON RECORD	ON OTHER	SIDE		
I hereby s	wear or affirm tl	nat the information g	given herewith	is a comple	ete and correct rec	ord of the w	ell and al!
		can be determined fr					

Subscribed and sworn to before me this 12	Monument, New Mexico July 12, 1946
day of 196	NameDur Tappe
Nill Daile Tuy on Notary Public	Position Asst. Dist. Supt.
My Commission expires.	Representing <u>Amera da Petroleum Corporation</u> Company o: Operator
	Address Drawer D, Monumert, New Mexi co.

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FORMATION RECORD

FROM	то	THICKNESS IN FRET	FORMATION
lote. This	all was fo	marly drills	d by Twin Cil Corporation and sold to Nováile Penros
			rom Neville Penrose by Amerada Petroleum Corporation
	epened to		
	openes to		
37481			Old Total Depth
37481	39501	202	Lime was a second second second
39501	39581	8	Gray Lime
3958	3983	35	Light Brown Line
3983	42381	255	Line
4238	4250	12	Brown Sandy Line
4250	4405	155	Line
4405	442	37	Lime, Anhydrite and Gypsum
4442	4752	310	Lime
4752	4779	27	Broken Lime and Sand
4779	4825	46Lime	Line and the barrier states and the second s
4825	4854	29	Broken Line
4854	5013	159	Line the second state of t
5013	5020	8	Brown Line
5020	5035	15	Lime
5035	5050	15	Gray Line
5050	5063	13	Brown Lime
5063	5090	27	Gray Line and Polomite
5090	5094	4	Blue Shale and Lime
5094	5140	46	Lime
5140	5148	8	Blue Shale and Lime
5148	5160	12	Brokon Lime (Carrying Oil Odor)
5360	5165	5	
5165	5179	$\dot{\nu_{\star}}$	Brown Line Line (Oil Stain and Odor)
5179	5188	9	Lime.
5188	5415	227	Lime
5415	5425	10	Line (Oil Stain and Odor)
5425	5431	6	Lime and Blue Shale
5431	5461	30	Line
5401	5466	5	Lime and Blue Shale
5466	5561	95	Lime
5561	5564	3	Shale
5564	6087	523	Line
6087	6108	21	Line Line and Blue Shale
6208	6111	3	IAme
6111	6116	5	Shale and Lime
6116	6155	39	Line
6155	6176	21	Lime and Shale
6176	6180		Line
6180	6193	13	Black shale and Line
6193	6475	282	T.fme
6475	6510	35	a second s
6510	6535	25	Lime (Broken)
6535	6567	32	Brown Lime (Oil Show)
6567	6623	56	Line
6623			Total Depth
			5" OD Casing 15#, N-80, R-3, 8 Rount Thread, set a
			6623' with 300 Sacks Cement.
6605		ł	Drilled out depth

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	RECORD OF D	are well number < RILL-STEM TESTS.
<u>DATE</u> 6-2-46	<u>TOTAL DEPTH</u> 5236	Took drill stem test with packer set at 5205' with 5/8" Orifce on bottom, started blowing att at once, small blow of gas 1 hour 50 minutes, recovered 100' oil and gas cut drilling gud, no free water, Hydrostatic Pressure 2600#, flowing pressure 200#, No build up pressure test.
6 -4-46	52821	Took drill stem test with packer set at 5228', 5/8" Orifice on bottom, gas to top in 15 minutes, tool opened 2 hours 45 minutes, recovered 255' Heavy oil and gas cut drilling mud, figured 10% Oil, Estimated of 35M cu. ft. gas, Hydrostatic pressure 2600#, Flowing pressure 200#, build up pressure in 15 minutes 1150#,
6 - 4- 4 6	5305 I	Took crill stem test with packer set at 5275', 5/8" Orifice on bottom, opened 2 hours 45 minutes, small steady flow of gas, showed 3000' of gas in drill pipe, and 150' Heavy oil and gas cut drilling mud, 300' sulphur water, water tested 55,800 PPM Chlorides, Hydrostatic Pressure 2600#, Flowing pressure 50#, build up pressure 15 minutes 1300#.
6-25-46	64251	Took drill stem test with packer set at 6339', opened tool at 12;21AM closed tool at 2;21AM, gas to top in 5 minutes, first hour flowed at rate of 5,000M cu. ft. per day and second hour at rate of 2,500M cu. ft. per day, recovered 330' of gas cut mud.
6-25 -46	64431	Took drill stem test with packer set at 6374', tool opened at 5;20PM, gas to top in 4 minutes, first hour flowed at rate of 179M cu. ft. per day, and second hour at rate of 163M cu. ft. per day, tool closed at 7;20PM, Hydrostatic Pressure 3400#, flowing pressure Zero, build up pressure 15 minutes 2200#, recovered 120' of gas cut mud and distallate.
6-27-46	65351	Took drill stem test with packer set at 6456', tool opened at 1;56AM, gas to top in 4 minutes, mud in 20 minutes, oil in 26 minutes, gas at rate of \mathbf{M}_{2} ,250M cu. ft. per day, flowed estimate of 3 bbls oil into pits and turned into tanks and in $2\frac{1}{2}$ hours made 50.95 barrels of oil, corrected gravity 40°, recovered 40' of cut mud and 670' of oil, Hydrostatic Pressure 2900#, Build up pressure 15 minutes 1700#, flowing pressure 300#.
(66081	
6 -28-46		Took drill stem test with packer set at 6530', tool opened at 4;33AM, gas to top in 5 minutes, 738M cu. ft. per day, mud to top in 1 hour, oil to top 1 hour 2 minutes, turned into tanks at 5;38AM, and in 2 hours 22 minutes made 33.22 barrel oil, gravity of oil corrected 38.4, recovered 895' oil, 15' oil and gas cut mud, Hydrostatic Pressure 3200#, Build up Pressure 15 minutes 2000#, Flowing pressure 600#.
7-4-46	66051	Drilled out depth, 52 OD Casing set at 6623', Eun perforated with Lane Wells from 6490' to 6494' with 16 shots to test cement behind casing, took drill stem test with packer set at 6482' with perforations below, Tool opened 5 hours, and recovered 50' Oil cut mud and 10' of Oil, Hydrostatic Pressure 3000#, no build up pressure, Pipe was OK.
Deviation	tests Ran by Amer	rada's N. T. Jordan May 4, 1946 before deepening.
500' 1000'	Straight Straight,	3000' Straight
1500º	Straight	3500' Straight 3725' 3725t 1 Legree
2000 ' 2500 '	2 Degrees 1 Degree	
Deviation	tests run while o	deepening by McVay and Stafford Drilling (Company.
37581 40001	2 de grees 2 degrees	4800 ¹ l degree
40961	2 degrees	5019' 3/4 degree 5210' ½ degree
41761 4 3 391	1 degrees	5400' Straight
4339' 45051	1 Degree 11 Degree	5768' ½ degree 6000' Straight
45701	1 degrees	6303 ¹ A degree
466 9 1	3/4 degree	

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