DUPLICATE

FORM C-105

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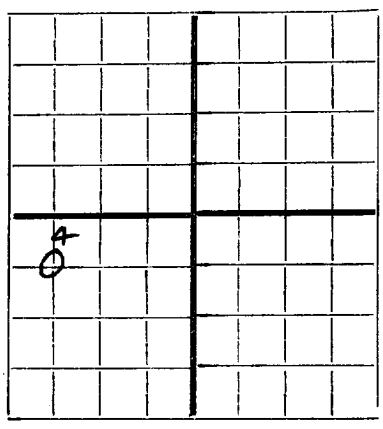

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Amerada Petroleum Corporation (Company or Operator) Drawer "D" Monument, New Mexico (Address)

E.N. Walden (Lease) Well No. 4 in NW¼ SW¼ of Sec. 15, T. 22S

R. 37E, N. M. P. M., Brunson Field, Lea County.

Well is 3300 feet south of the North line and 4620 feet west of the East line of Sect. 15-22S-37E

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 Box 2040, Tulsa 2, Oklahoma

Drilling commenced May 17, 1947 19 47 Drilling was completed July 17 19 47

Name of drilling contractor Rowan Drilling Co., Address Ft. Worth, Texas

Elevation above sea level at top of casing 3400' feet.

The information given is to be kept confidential until Not Confidential 19

OIL SANDS OR ZONES

No. 1, from 7794' to 7910' 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 to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
13-3/8"	36#	Slip Joint	Armco	173'	Regular				
8-5/8"	32#	8-R	Smls.	2751'	Float Shoe				
5-1/2"	17#	8-R	Smls.	7912'	Float Shoe		7794'	7910'	Make Oil Well

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17½"	13-3/8"	173'	200	Halliburton		
11"	8-5/8"	2751'	1200	Halliburton		
7-3/8"	5-1/2"	7912'	650	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material 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 CLEANED OUT
		MudAcid-Western	500 Gals	7-17-47	7794'-7910'	

Results of shooting or chemical treatment Pulled Swab five (5) times, well kicked off, flowed 500.94 Bbls. of oil in 14½ hours on ½" Positive Choke. Gas Volume 455,000 Cu. ft. per day Gas-Oil-Ratio 551

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

No Drill Stem Tests. Ran Schlumberger Survey

TOOLS USED

Rotary tools were used from 0 feet to 7917' feet, and from feet to feet

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

PRODUCTION

Put to producing July 17, 19 47

The production of the first 14½ hours was 500.94 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, Be 42.0

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

Earl Goodman, Driller J.P. Russell, Driller

B.W. Becker, Driller , Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this 21st. day of July, 19 47

Will Hale Taylor
Notary Public

Monument, New Mexico (Place) July 21, 1947 (Date)

Name D. Taylor

Position Assistant District Superintendent

Representing Amerada Petroleum Corporation

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	30'	30'	Caliche
30'	95'	65'	Surface
95'	180'	85'	Red Bed
180'	590'	410'	Red Bed
590'	960'	370'	Red Rock
960'	1160'	200'	Red Rock & Anhydrite
1160'	1283'	123'	Red Bed & Anhydrite
1283'	2316'	1033'	Anhydrite & Salt Streaks
2316'	2450'	134'	Salt, Anhydrite & Lime
2450'	2580'	130'	Anhydrite
2580'	2692'	112'	Anhydrite & Lime
2692'	2748'	76'	Anhydrite
2748'	2755'	7'	Lime
2755'	2875'	120'	Anhydrite & Lime
2875'	2965'	90'	& Lime
2965'	3138'	173'	Anhydrite & Gyp
3138'	3238'	100'	Anhydrite
3238'	3293'	55'	Anhydrite & Gypsum
3293'	3455'	162'	Anhydrite & Lime
3455'	3559'	104'	Lime
3559'	3605'	46'	Anhydrite & Lime
3605'	3757'	152'	Lime
3757'	3832'	75'	Sandy Lime
3832'	7438'	3606'	Lime
7438'	7449'	11'	Shale
7449'	7484'	35'	Shale & Sand
7484'	7543'	59'	Lime
7543'	7590'	47'	Shale & Sand
7590'	7622'	32'	Lime & Shale
7622'	7658'	36'	Shale & Sand
7658'	7690'	32'	Shale
7690'	7733'	43'	Shale & Sand
7733'	7742'	9'	Sand & Shale
7742'	7785'	43'	Shale & Sand
7785'	7800'	15'	Sand & Shale
7800'	7816'	16'	Sand Lime & Shale
7816'	7845'	29'	Lime & Shale
7845'	7872'	27'	Shale & Sand
7872'	7900'	28'	Lime & Shale
7900'	7904'	4'	Lime & Granite
7904'	7909'	5'	Shale, Chert & Granite
7909	7913'	4'	Granite
7913'	7917'	4'	Granite (4' Correction from 7913')
7917'			Total Depth
7917'			Drilled out Depth

<u>SLOPE TEST</u>

400'	Straight
900'	Straight
1540'	1 degree
2150'	Straight
3250'	1 degree
3900'	Straight
4600'	Straight
5350'	½ degree
6223'	Straight

<u>GEOLOGICAL TOPS</u>

Elevation Derrick floor	3410'
Elevation Ground	3400'
Base Red Bed	1100'
Top Salt	1200'
Base Salt	2420'
Top Yates	2610'
Top Tubbs	5990'
Base Permain	7270'
Top Simpson	7325'
Top Ellenburger	7790'
Top of Granite Wash	7898'
Top of Granite	7906'
Total Depth	7917'
Drilled out Depth	7917'