

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED

OCT 14 1966

WELL RECORD

D. C. C.
ARTESIA OFFICE

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

Harlan Production Company
(Company or Operator)

Etz - State
(Lease)

Well No. 5, in NE 1/4 of SE 1/4, of Sec. 16, T. 17-S, R. 30-E, NMPM.

Grayburg Jackson Pool, Eddy County.

Well is 2310 feet from South line and 990 feet from East line of Section 16. If State Land the Oil and Gas Lease No. is B-936.

Drilling Commenced December 18, 1965. Drilling was Completed Sept. 30, 1966.

Name of Drilling Contractor Tom Boyd Drilling Company

Address Artesia, New Mexico

Elevation above sea level at Top of Tubing Head 3685 Gr. The information given is to be kept confidential until , 19

OIL SANDS OR ZONES

No. 1, from 2115 to 2130 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 1/2"	28#	-	170-470	-			(Abd. 1948)
7" O.D.	20#	Used	1890	-			Oil String
4 1/2" OD	9.50#	Used	2113	Davis			Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12"	8 1/2"	170-470	25	-	Salvage 170 feet when plugged in 1948	
8"	7" OD	1890	50	Pump & Plug	-	
6 1/4"	4 1/2" OD	2113	150	Pump & Plug	-	

RECORD OF PRODUCTION AND STIMULATION

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

Fractured open hole section 2113 to 2135 with water using 13000# 20-40 Mesh Sand.
Avg. rate 19.5 bbls/min. Avg. Pressure 1900 PSI. No test before treatment.

Result of Production Stimulation on test pumped 12 barrels oil and no water in 2 1/2 hours

Depth Cleaned Out 2135 TD

ORD 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

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.

PRODUCTION

Put to Producing.....October 10....., 1966

OIL WELL: The production during the first 24 hours was.....12.....barrels of liquid of which.....100.....% was oil;.....None.....% was emulsion;.....None.....% water; and.....None.....% was sediment. A.P.I. Gravity.....39.....

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

T. Anhy.....	T. Devonian.....	T. Ojo Alamo.....
T. Salt..... See Note below*	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	T. Montoya.....	T. Farmington.....
T. Yates.....	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	T. McKee.....	T. Menefee.....
T. Queen.....	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....	T. Gr. Wash.....	T. Mancos.....
T. San Andres.....	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.

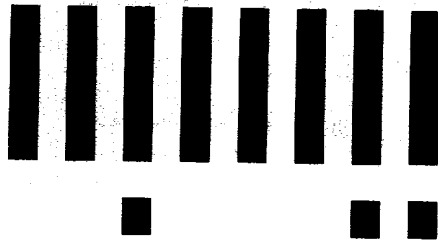
FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
<p>*Note: This is re-entry of plugged and abandoned well drilled by Etz Oil Co. Named State Humble No. 5-A completed 12/29/41 and abandoned 12/7/48 by Yancy & Harris Co. Formation record not available.</p>							
<p>6</p>							
<p>1</p>							
<p>1</p>							
<p>2</p>							
<p>1 -</p>							
<p>1</p>							

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.....Harlan Production Co.....Address.....Box 355, Monahans, Texas.....(Date).....October 12, 1966
Name.....Position or Title.....Petroleum Engineer



LTR



Job separation sheet

NO. OF COPIES RECEIVED	6
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SANTA FE	1
FILE	1-
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL 1
	GAS
OPERATOR	3
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED

I. Operator **Harlan Production Company** ✓
Address **P.O. Box 355, Monahans, Texas**
Reason(s) for filing (Check proper box)
New Well * ☒ Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐ Oil ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐
Other (Please explain) ***Re-Entry of old well plugged and abandoned December 1948**

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Etz-State	Well No. 5	Pool Name, Including Formation Grayburg Jackson	Kind of Lease State, XXXXXX	Lease No. B-936
Location Unit Letter I ; 2310 Feet From The South Line and 990 Feet From The East Line of Section 16 Township 17-S Range 30-E , NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) Midland, Texas
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> -	Address (Give address to which approved copy of this form is to be sent) -
If well produces oil or liquids, give location of tanks. P 16 17-S 30-E	Is gas actually connected? No When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well <input checked="" type="checkbox"/>	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded December 18, 1965	Date Compl. Ready to Prod. Sept. 30, 1966	Total Depth 2135	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.) 3685 Gr	Name of Producing Formation Queen	Top Oil/Gas Pay 2115	Tubing Depth 2105					
Perforations CH 2113-35	Depth Casing Shoe 2113							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12"	8 1/4" (Abd. 1948)	170 to 470	25 Sacks					
8"	7" OD-20#	1890	50 Sx & 100 Sacks					
6 1/4"	4 1/2" OD. 9.50#	2113	150 Sacks					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)


Date First New Oil Run To Tanks Oct. 10, 1966	Date of Test Oct. 11, 1966	Producing Method (Flow, pump, gas lift, etc.) Pump	
Length of Test 24 Hours	Tubing Pressure None	Casing Pressure None	Choke Size -
Actual Prod. During Test	Oil-Bbls. 12	Water-Bbls. None	Gas-MCF TSM

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.


(Signature)
Petroleum Engineer
(Title)
October 12, 1966
(Date)

OIL CONSERVATION COMMISSION

APPROVED **Oct 12 1966**, 19
BY **W. A. Gressett**
TITLE **OIL AND GAS INSPECTOR**

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.