

NEW MEXICO OIL CONSERVATION COMMISSION

HOBBES OFFICE OCC
Hobbs, New Mexico

MISCELLANEOUS NOTICES

1957 FEB 25 AM 8:20

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER) TO RECOMPLETE	X

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Hobbs, New Mexico
(Place)

February 20, 1957
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the..... State (Sec. 2)

..... Shell Oil Company Well No. 13 in N
(Company or Operator) (Unit)
Lot 14 1/4 of Sec. 2, T -21-S, R -37-E, NMPM., Brunson Pool
(40-acre Subdivision)
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Recomplete from Brunson to Wants-Abo.

1. Run Radioactivity Survey.
2. Set bridging plugs at 8000' & 7300' & cap w/cement.
3. Perforate 5 1/2" casing w/4 jet shots per foot from 7000' to 7026' & 7050' to 7165'.
4. Wash perforations w/500 gallons MCA. Treat w/1500 gallons MCA.
5. Dependent upon results of above treatment either retreat w/3000 gallons MCA or treat w/10,000 gallons retarded acid.
6. Place well on production.

Approved....., 19.....
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By..... E. J. Kischer

Title.....

Shell Oil Company
Company or Operator

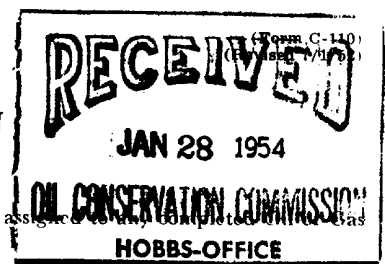
By..... B. Nevill Original signed by
B. Nevill

Position..... Division Exploitation Engineer
Send Communications regarding well to:

Name..... Shell Oil Company

Address..... Box 1957, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



It is necessary that Form C-104 be approved before this form can be approved and an initial allowable be assigned to any completed well. Submit this form in QUADRUPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Shell Oil Company Lease State Sec. 2
Address Box 1957, Hobbs, New Mexico Box 1509, Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit N, Well(s) No. 13, Sec. 2, T. 21, R. 37, Pool Brunson
County Lea Kind of Lease: State Lease
If Oil well Location of Tanks _____
Authorized Transporter Skelly Oil Company Address of Transporter _____
Box 379, Elmer, New Mexico Box 1630, Tulsa, Oklahoma
(Local or Field Office) (Principal Place of Business)
Per cent of ~~Oil~~ Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas
from this unit are None

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐
CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☒

REMARKS:

**This report covers casinghead gas production on the above lease in
accordance with Commission Order R-98-A, Paragraph 9, Rule 1109,
Section (A).**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the _____ day of JAN 27 1954 19_____
SHELL OIL COMPANY,

Approved _____, 19____

OIL CONSERVATION COMMISSION

Original Signed By
By L. E. Slagle

By _____ Title Division Production Superintendent

Title _____

(See Instructions on Reverse Side)

INSTRUCTIONS

This form shall be executed and filed in QUADRUPLICATE with the District Office of the Oil Conservation Commission, covering each unit from which oil or gas is produced. A separate certificate shall be filed for each transporter authorized to transport oil or gas from a unit. After said certificate has been approved by the Oil Conservation Commission, one copy shall be forwarded to the transporter, one copy returned to the producer, and two copies retained by the Oil Conservation Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one proration period, the operator shall in lieu of filing a new certificate notify the Oil Conservation Commission District Office, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil or gas to be moved by the transporter temporarily moving oil or gas from the unit and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil or gas than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Oil Conservation Commission shall constitute a permit for pipe line connection and authorization to transport oil and gas from the property named therein and shall remain in full force and effect until

- (a) Operating ownership changes
- (a) The transporter is changed or
- (c) The permit is cancelled by the Commission.

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same time this report is filed, explain fully under the heading "REMARKS."

In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil or gas, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil or gas.

A separate report shall be filed to cover each producing unit as designated by the Oil Conservation Commission.

N. B-37-3

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company

State

Company or Operator

Lease

Well No. 13 in Lot 14 of Sec. 2, T. 21-S, R. 37-E

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

Well is 2970 feet north of the south line and 1650 feet east of the west line of Sec. 2, T-21-S, R-37-E

If State land the oil and gas lease is No. B-9745 Assignment No. -

If patented land the owner is - Address -

If Government land the permittee is - Address -

The Lessee is Shell Oil Company Address Box 1957, Hobbs, New Mexico

Drilling commenced 3-3-52 Drilling was completed 4-14-52

Name of drilling contractor Hewes Drig. Co. Address Ft. Worth, Texas

Elevation above sea level at top of casing 3482 feet.

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

OIL SANDS OR ZONES

No. 1, from 8032 to 8143 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 TO	PURPOSE
13 3/8"	48#	8R	JAL	180				Water string
8 5/8"	32# 28.55#	8R	Limited Service	3136'	Baker			Salt string
5 1/2"	15.5# 17#	8R	--	8020'	Larkin			Oil string
2 3/8"	4.7#	8R	--	8128'	Harg	8136'	8090 8104	Tubing 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
17 1/2"	13 3/8"	193'	250	Pump & plug		
11"	8 5/8"	3148'	1900	Pump & plug		
7 7/8"	5 1/2"	8032'	500	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	CHEMICAL USED	QUANTITY	DATE	DEPTH TREATED	DEPTH CLEANED OUT
		mud acid	500 gals.	4-18-52	8032-8143	

Results of shooting or chemical treatment. After recovering hole load of 212 barrels flowed 307 barrels oil in 24 hours.

RECORD OF DRILL-STEM AND SPECIAL TESTS See Reverse Side

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 0 feet to 8143 feet, and from feet to feet.

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

PRODUCTION

Put to producing 4-19-52

The production of the first 24 hours was 307 barrels of fluid of which 99.9 % was oil; - % emulsion; - % water; and 0.1 % sediment. Gravity, 43.1° API

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

Rock pressure, lbs. per sq. in. 600 918

EMPLOYEES

Tom Childress Driller Lee Durhan Driller

C. T. Brasel 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.

Hobbs, New Mexico 4-30-52

Name J. B. Savage

Position Production Supt. Division Exploitation Engineer

Representing Shell Oil Company

Company or Operator.

Address Box 1957, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
SAMPLE LOG			
0	5700	5700	No samples taken
5700	6860	1160	Dolomite
6860	7050	190	Lime
7050	7500	450	Dolomite & Lime
7500	7650	150	Lime & Shale
7650	7980	330	Sand, Lime & Shale
7980	8020	40	Lime
8020	8134	114	Dolomite & Sand
8134	8143	9	Granite Wash
TOPS BY SCHLIMBERGER:			
Glorieta		5312 (-1818)	
Clear Fork		5776 (-2282)	
Drinkard		6590 (-3096)	
Abo		6865 (-3371)	
Permian/Simpson contact		7497 (-4003)	
Top McKee		7654 (-4160)	
Ellenburger Lime		7977 (-4483)	
Ellenburger Dolomite		8020 (-4526)	
Granite Wash		8134 (-4640)	
<u>DST #1:</u>	5766-6000' (234' Blinberry Dolomite)		Tool open 1 1/4 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Fair air blow throughout test. Recovered 520' (2.35 bbls.) oil & gas cut mud (estimated 5-10% oil). FBHP 400-500 psi. 30 min. SIBHP 1575 psi. FWH 3000-3125 psi. <u>Positive Test.</u>
<u>DST #2:</u>	6240-6530' (290' Tubb Dolomite)		Tool open 1 hour thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 6 min. Flowed dry gas & stabilized rate of 580 Mcf/d. Rec. 540' (3.4 bbls.) gas cut mud. FBHP 475-500 psi. 20 min. SIBHP 2500 psi. FWH 3500 psi. <u>Positive Test.</u>
<u>DST #3:</u>	6610-6714' (104' Drinkard Dolomite)		Tool open 3 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Weak blow increasing to fair in 5 min. Gas to surface in 1 hr. & 20 min. Volume FWH. Recovered 190' (1 bbl.) oil & gas cut mud (est. 10% oil), 90' (0.4 bbl.) heavily oil & gas cut mud (est. 40% oil) and 180' (0.8 bbl.) gas cut mud w/trace oil. FBHP 0-125 psi. 30 min. SIBHP 950 psi. FWH 3425-3400 psi. <u>Positive Test.</u>
<u>DST #4:</u>	6714-6739' (25' Drinkard Dolomite)		Tool open 1 1/4 hrs. thru 5/8" BC & 1" TC on 3 1/2" DS. Fair blow decreasing to weak in 15 min. which lasted remainder of test. Recovered 180' (1.3 bbls.) salty mud, 210' (1.6 bbls.) muddy gas cut salt water & 490' (2.4 bbls.) salt water w/scum of oil. FBHP 50 to 425 psi. 30 min. SIBHP 2475 psi. FWH 3300 psi. <u>Positive Test.</u>
<u>DST #5:</u>	6870-7200 (330' Abo dolomite)		Tool open 4 hrs. & 20 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 20 min., mud in 2 hrs. & 20 min., oil in 2 hrs. & 30 min. Flowed 33.2 bbls. oil in 1 hr. 40 min. GOR 496. Gravity 39.8°. FBHP 1000-1850-700 psi. 30 min. SIBHP 2875 psi. FWH 3550 psi. <u>Positive Test.</u>
<u>DST #6:</u>	7200-7500' (300' Abo Dolomite)		Tool open 1 hr. thru 5/8" BC & 1" TC on 3 1/2" DS. Fair air blow immediately, decreasing to weak in 20 min. Recovered 70' (0.35 bbl.) drlg. mud w/ scattered specks of oil plus trace free oil. FBHP 0 psi. 30 min. SIBHP 0 psi. FWH 3700 psi. <u>Positive Test.</u>