

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

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	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO DRILL DEEPER	<input type="checkbox"/>
NOTICE OF INTENTION TO PLUG WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG BACK	<input type="checkbox"/>	NOTICE OF INTENTION TO SET LINER	<input type="checkbox"/>
NOTICE OF INTENTION TO SQUEEZE	<input type="checkbox"/>	NOTICE OF INTENTION TO ACIDIZE	<input type="checkbox"/>	NOTICE OF INTENTION TO SHOOT (Nitro)	<input type="checkbox"/>
NOTICE OF INTENTION TO GUN PERFORATE	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Midland, Texas
(Place)

September 28, 1964
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Red Hills Unit
The Pure Oil Company Well No. 1 in 0
(Company or Operator) (Unit)
SW 1/4 SE 1/4 of Sec. 32, T 25-S, R 33-E, NMPM, undesignated Pool
(40-acre Subdivision)
Lea County.

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

Detailed completion procedure attached

Approved 10/7/64, 19____
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By _____
Title _____

The Pure Oil Company
Company or Operator
By J. F. Wilkinson
Position District Office Manager
Send Communications regarding well to:

Name The Pure Oil Company
Address P. O. Box 671 - Midland, Texas 79701

DETAILED RED HILLS COMPLETION

September 14, 1964

HOUSTON OPERATING CO. O. C. C.

OCT 7 11 10 AM '64

From time 7-5/8" casing is drilled out and 6-5/8" cleaned out to below 16,000'

1. Pull out of hole. Perforate 6-5/8" casing with 4 1/2" jet shots at 15,190'.
2. Set Halliburton 6-5/8" SVDC Retainer on wire line at 15,100'.
3. Run in hole with tubing and set into retainer. Pressure up and break down perforations. Maximum pressure 4500#. Establish rate and pressure.
4. Pull out of retainer. Pump 10 barrels water; 100 sacks Trinity Inferno mixed 16.4#/gal. followed by 10 barrels water. Spot water down to tool and stab back into retainer. Squeeze up to a maximum pressure of 4000#. Pull out of retainer and reverse.
5. Repeat above steps 1, 2, 3, and 4 for each of the block squeeze points. Set retainer approximately 90 feet above perforations.
6. If any set of perforations does not squeeze, clear perforations and repeat until a pressure buildup is obtained.
7. After all block squeezes have been made, start from top and drill out and test each squeeze with 2000#. If fail to hold, set retainer and squeeze.
8. After all squeezes drilled out and tested, run Welex Micro Seismogram Cement Bond Log from 16,000' to 12,000'.
9. Run RTTS packer on tubing for production test. Set packer at 15,400'. Open circulating port and pump sufficient water in tubing to give surface pressure of 2000# (approximately 25 bbls.). Close circulating port and bleed off tubing to 0 psi.
10. Rig up Welex and perforate Interval No. 1 through tubing. Record pressure buildup at surface. If buildup is not too rapid nor pressure over 2000#, test as rigged up. If pressure is over 2000# at surface, open circulating point and circulate and build mud weight up to surface pressure indicated.
11. Flow and clean up; flow at two rates, attempting to obtain stable pressure and rates.

Measure - gas
liquid
pressure

Obtain samples of gas and liquids for analysis.

12. If zone fails to respond naturally, acidize with 1000 gals. Break down acid.

RED HILLS COMPLETION PROCEDURE

September 9, 1964

The completion procedure, as set forth, is from the time the Deviation is conclusively tested and a bridge plug set at top of 4-1/2" liner.

1. Dress out tie back sleeve for 7-5/8" casing and run 7-5/8" casing from 12,200' to surface. Cement casing; hang in slips.
2. Change out 5000# BOP equipment for 10,000# BOP equipment.
3. Drill out cement and test 7-5/8" casing 2000# at surface.
4. Build mud system up to 16.2#/gal. Circulate and condition hole.
5. Perforate 6-5/8" liner and block squeeze through SVDC retainer at
 - (a) 15,190'
 - (b) 14,970'
 - (c) 14,806'
 - (d) 14,570'
 - (e) 14,436'

Start at top and drill out and test each squeeze with 2000# prior to drilling out next squeeze.

6. Perforate for production test the following intervals:

Interval No. 1 - 15,430' to 15,550' (7 shots total)
1 shot each - 15,442; 447; 458; 468; 486; 490; 537

Interval No. 2 - 15,210' to 15,350' (7 shots total)
1 shot each - 15,232; 246; 262; 304; 312; 325; 334

Interval No. 3 - 15,010' to 15,200' (8 shots total)
1 shot each - 15,034; 045; 060; 081; 100; 124; 138; 150

Interval No. 4 - 14,810' to 14,870' (4 shots total)
14,842; 852; 856; 864

Interval No. 5 - 14,600' to 14,780' (8 shots total)
14,630; 660; 668; 712; 726; 742; 752; 758

Interval No. 6 - (Sand) 14,440' to 14,520' (7 shots total)
14,448; 462; 467; 486; 496; 508; 512

Interval No. 7 - 14,320' to 14,440' (6 shots total)
14,333; 357; 364; 392; 405; 418

Note: The testing procedure on each zone will be dependent upon the results obtained. The basic data desired are:

1. Stabilized flow rate
2. Gas liquid ratio
3. Samples of both gas and all liquids produced. All depths shown are from Welex Gamma Ray-Neutron Collar Log.