

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYIndian Agency Nava jo
Allottee _____
Lease No. 1-89-IND-56

	12	
X		

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Confidential

September 19, 19 62

Well No. 145 is located 660 ft. from [X] line and 1980 ft. from [X] line of sec. 12

<u>SE/4-SW/4, Sec. 12</u> (1/4 Sec. and Sec. No.)	<u>T29N</u> (Twp.)	<u>R19W</u> (Range)	<u>NMPM</u> (Meridian)
<u>Rattlesnake</u> (Field)	<u>San Juan County</u> (County or Subdivision)	<u>New Mexico</u> (State or Territory)	

The elevation of the derrick floor above sea level is 5297 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Refer to Well History dated 6-27-62. Drilled to 6584', ran GR log. Top of Table Mesa 6562' w/shows in Desert Creek 6398' - 6408' and Hogback 6558' - 6566'. Ran DST of Desert Creek 6377' - 6410', SI 60 minutes, open 70 minutes, SI 60 minutes. Gas to surface in 2 minutes; flow rate of 228 MCVPD for 48 minutes. Mud to surface in 48 minutes. Flowed 2 bbls. of heavy oil and gas cut mud in 22 minutes. Drilled 6589' - 6600' TD. Ran DST of Hogback 6445' - 6490', SI 60 minutes, open 60 minutes, SI 60 minutes. Gas to surface in 2 minutes @ rate of 100 MCVPD; died to weak blow in 45 minutes. Recovered 1115' of highly gas cut mud. Ran 7" casing, 2314' landed @ 6598' - top 4284'. Cemented w/150 sacks regular and 150 cu.ft. stratocrete followed by 100 sacks regular. WOC 18 hours. Tested OK for 30 minutes @ 1500 psi. Drilled to 6710' TD and ran GR Neutron log. Ran DST 6571' - 6710', SI 1 hour, open 3 hours 32 minutes, SI 1 hour. (Over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Continental Oil CompanyAddress Box 3312Durango, ColoradoBy [Signature]
Title Asst. District Superintendent

DIST. 3

(Continued)

Good blow weakening to no blow in 3½ hours. Gas to surface in 55 minutes. Recovered 137' of drilling mud and 316' of muddy brackish water (not salty). Drilled to 6780' TD. Ran 207 joints 2 7/8" tubing, landed @ 6557'. Released rotary rig 7-9-62. Swabbed drilling water @ rate of ½ bbl. per hour w/show of oil and slight blow of gas. Hole bridged @ 6661'. Cleaned out to 6780' TD and ran 261' - 4½" slotting liner, landed @ 6780' - top 6519'. Ran tubing and acidized w/500 gallons 15% HCL. Swabbed 1 bbl. acid water per hour - cut 5% live oil w/light blow of gas. Acidized w/5000 gallons 7½% HCL w/250# FLAX 2. Swabbed @ rate of 4 bbls. acid water per hour - cut 5% oil. Perforated Hogback 6450' - 6466'. Ran 203 joints 2 7/8" tubing w/packer set @ 6428'. Acidized w/1000 gals. 15% mud acid. Well flowed acid water and gas for 5 hours and died. Measured gas @ 80 MCFFD while well was flowing. Swabbed 83 bbls. water per day on test. Pulled tubing and perforated Desert Creek 6412' - 6428', set bridge plug @ 6440'. Swabbed 3½ NO & 43 BW in 4 hours - failed to recover any fluid next 4 hours. Acidized w/1000 gals. MCA. Swabbed and flowed 3½ NO & 163 BW in 11 hours. Gas flow dropped from 243 MCFFD to 143 MCFFD in 2½ hours. Perforated Upper Desert Creek 6398' - 6408' w/4 shot 2/8". Ran tubing and rods and placed well on pump 8-5-62. Pumped 86 BW w/trace of oil in 24 hours on 8-10-62. Well making 27 MCF gas per day. Will continue to pump well to further test oil production.