

Indian Agency Navajo

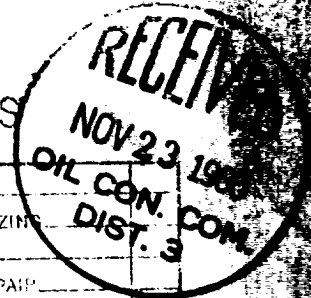
(SUBMIT IN TRIPPLICATE)

XXXXX No. 14-20-603-2032
Co Lse No. 234869
XXXXX

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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SUNDRY NOTICES AND REPORTS ON WELLS



NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO ALTER CASING	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO ABANDONMENT	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO SUPPLEMENTARY WELL HISTORY	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO CHANGING LINER	set liner

Navajo Tribe of Indians "A"

November 17, 1960

WELL NO. 2 IS LOCATED 1580' FROM (EAX) LINE AND 990' FT. FROM (W) LINE OF SEC. 31

SW/4 of NW/4 30N 16W
(1/4 SEC AND 1/4 SEC. NO.) (TOWNSHIP) (RANGE)
North Hogback San Juan New Mexico
(FIELD) (COUNTY) (STATE OR TERRITORY)

THE ELEVATION OF THE DEPTH OF THE WELL IS 5114 est.

DETAILS OF WORK

(NOTE: A SERIES OF LOGS TAKEN TO DETERMINE THE DEPTH OF THE WELL AND TO SHOW THE RESULTS OF ANY WORK DONE ON THE WELL, INCLUDING MUDLOGGING, INDICATE MUDLOGGING CORRECTIONS, MUDLOGGING CORRECTIONS, AND LOGGING CORRECTIONS TO THE LOGS.)

Drilled from 6000 to 6120' with BHT from 6009-6120', 1" top and 5/8" bot ck, tool open 1 1/2 hrs, surface blow for 1 hr and decreased to weak blow for 30-min. Gas to surface in 2 min, flowed at rate of 106.4 mcf/day for 1 hr, decreased to 38.1 mcf/day last 30 min. Rec 355' heavy gas cut and slight oil cut mud. Cored from 6335 - 6384' 50' lim and shale, very light show of oil and gas from 6341-6346, very dense and tight. Cored from 6415-6560' rec 45', had trace porosity, slight show oil 642-643'. Gas core from 6460-6583, rec 23' dolc, lm & shale with trace porosity. Cored from 6578-6621', 20' 30", dolc, 10' 10", gas cut and oil cut, 10' 10", good porosity with odor 661' (618' DST Paradox from 6578-6621', 1" top and 3/4" bottom ck, good to weak blow at surface for 1.0 min. Gas to surface in 2 min at rate of 49.2 mcf/d. Rec 4510' heavy gas cut and oil water. Drill to 7241', DST from 7200-7229, 1" top, 3/4" bottom ck, good blow at surface for 60 min, rec 23' drlg mud, 180' slight gas cut

(NOTE: LOGGING CORRECTIONS TO THE LOGS, INCLUDING MUDLOGGING CORRECTIONS, MUDLOGGING CORRECTIONS, AND LOGGING CORRECTIONS TO THE LOGS.)

For more details see log of work done on this well.

Box 141

Hobbs, N.M.

Agent

Humble Oil & Refining Company
Navajo Tribe of Indians K. Well #2

and salt water cut drilling mud, 1836' of heavy gas cut salt water. Drill DST 7330-7350', 1" top and 5/8" bottom ck, strong blow for 55 min, gas to surface 8 min, gas at rate of 45 scf/day. Salt water to surface in 35 min. Made head cut 8 8#/gal salt water at 30 BPM. Drilled to TD 7360'. Ran Logs. Set cmt plug 7360-7160 w/50 sx cmt, set 2nd plug from 6730-6630' w/30 sx cmt. Ran 1089' 5" OD liner, bottom of liner at 6624, top of liner at 5535', cmt w/150 sx 4 1/2 gal. POB 7:00 AM 10-27-60, Top of cmt 5800' by temp survey. Ran Baker full bore cement set 6489'. Perf 5" liner 6583-6585' w/2 shots per ft. Swab dry in 5 hrs (water). Swab 10 hrs rec 63 bbls salt water. Swab 10 hrs rec 99 bbls salt water. Swab 4 hrs rec 20 bbls salt water. Squeezed perf in 5" liner from 6583-6585' w/75 sx neat cmt. Squeeze tool rec 6489', reversed out 10 sx, plug in place at 1:30 PM 11-7-60. Set full bore cement 6038', perf 5" liner from 6110-6120 w/2 shots per ft. Swab 4 hrs rec 23 bbls water. Swab 10 hrs rec 57 bbls fluid (96% drlg mud, 4% water, with light oil stain). Swab 10 hrs rec 10 bbls fluid (10% mud, 50% water). Swabbed dry. Washed perf w/500 gal acid. Swabbed 7 hrs, rec 43 bbls fluid (2% - treat). 16 acid cut drilling mud. Swab 6 hrs rec 28 bbls oil, swabbed dry. Swab 10 hrs rec 2 bbls gas cut mud and 73 bbls water. Swab 10 hrs, rec 202 bbls salt water. Prepare to plug and abandon. Set plugs as follows: Squeeze perf from 6120-6110 w/75 sx. Place plug from 6120-6110, place plug from 5555-5355' w/50 sx, and from 25' to 0' w/10 sx. Install dry hole marker as required by NMOC.

