Meter Number:70101
Location Name:JONES #1
Location:TN-29 RG-11
SC-13 UL-A
2 - Federal
NMOCD Zone:OUTSIDE
Hazard Ranking Score:00

RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN THE SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone	10^{-9} to 10^{-13} cm/sec
Shale	10^{-12} to 10^{-16} cm/sec
Clay	10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.

30-045-08392

COPY FOR
STATE OF NEW MEXICO
OIL CONSERVATION
COMMISSION
SUBMIT IN TRIPLICATE TO
DISTRICT OFFICE

Land Office New Mexico
Lease No. 03717
Unit Jones #1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SEP 21 1951
OIL CON. COM.
DIST.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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 RE-DRILL 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	
NOTICE OF INTENTION TO ABANDON WELL			

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

September 20, 19 51

Francis L. Harvey
Well No. 1 Jones is located 900 ft. from [N] line and 1100 ft. from [E] line of sec. 13

SW NE NE Sec. 13 — 29N — 11W — N.M.P.M.
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat — San Juan County — New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5730 ft.

DETAILS OF WORK

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

Well to be drilled with rotary tools to the top of the Pictured Cliffs sand which is expected at approximately 2000 ft. 7" casing will be set and cemented with 100 sx. at this point and the well completed with cable tools to a total depth of approximately 2150 ft. Approximately 100 ft. of 10-3/4" O.D. casing will be cemented to surface. Well will be shot with approximately 300 qts. nitro glycerin.

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

Company Francis L. Harvey

Address % Wichital Engineering Co.
Wichita Falls, Texas

By R D Young

Title R. D. Young - Agent

Elevation Survey

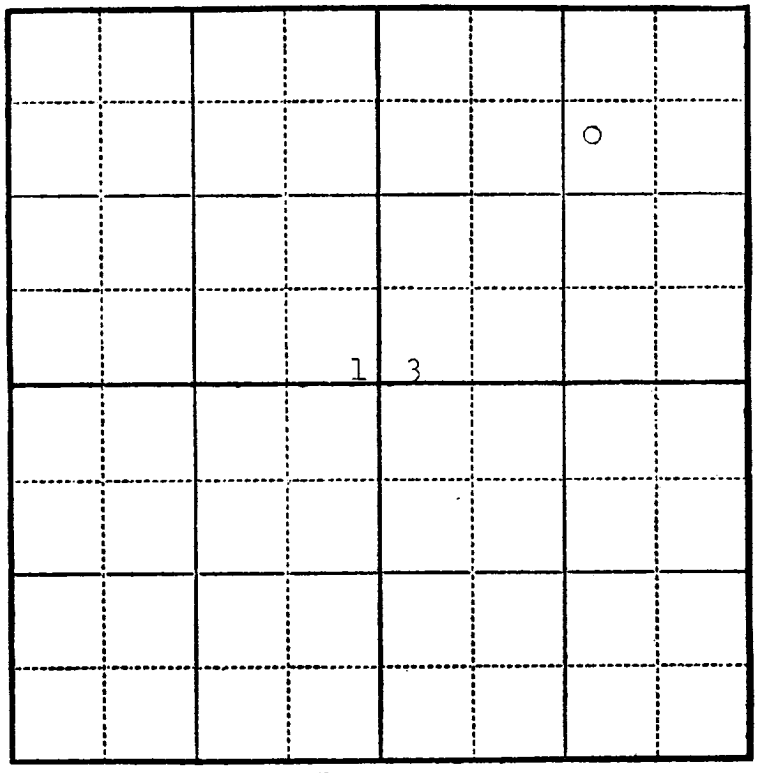
Company Francis Harvey

Lease ..... Well No. 1

Sec. 13 T. 29 N., R. 11 W., N.M.P.M.

Location 900' from the North line and 1100' from the East line.

San Juan County New Mexico



Scale—4 inches equals 1 mile.

Ungraded ground elevation 5724.9

Graded ground elevation .....

Derrick floor elevation .....

Temporary bench mark elevation .....

Remarks: Sea level datum; surveyed off from U.S.G. & G?S? Bench Mark, "C 70" 19?4. Elevation 5515.28.

SAN JUAN ENGINEERING CO.
Farmington, New Mexico

Date Surveyed September 17 19 51

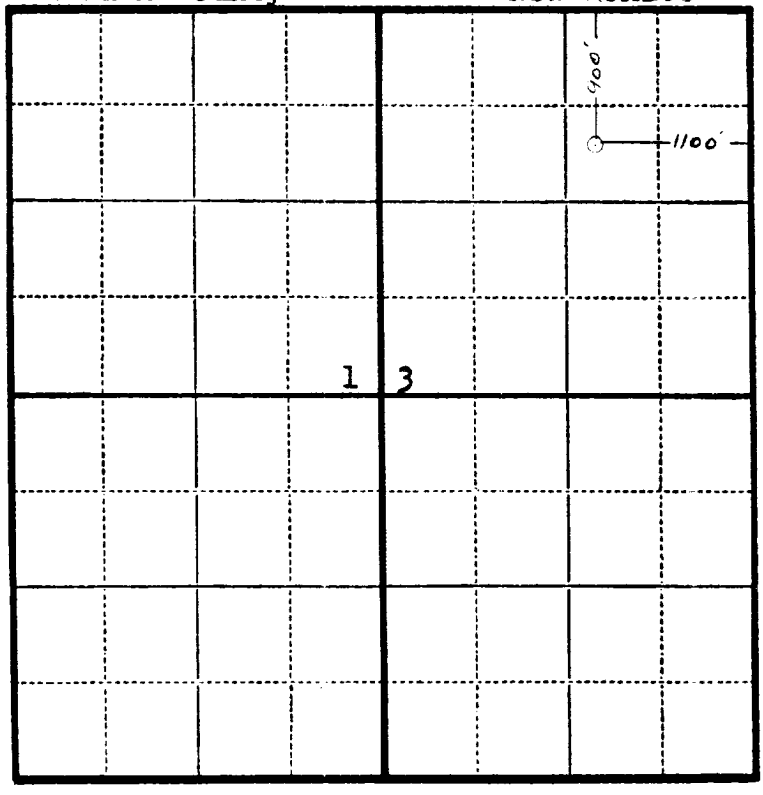
Company Francis Harvey, Wichita Falls, Texas

Lease ..... Well No. 1

Sec. 13 T. 29 N., R 11 W., N.M.P.M.

Location 900' from the North line and 1100' from the East line.

San Juan County New Mexico



Scale—4 inches equals 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

Registered Professional Engineer and Land Surveyor. Charles J. Finklea
N. Mex. Reg. No. 1302

Surveyed September 17, 19 51