Form 9-331a
(Feb. 1951)

Verbal Approved Received by P. T. McGrath on 1-11-60

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 078905
Unit V. W. McManus

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 RE-DRILL OR REPAIR WELL	X	SUBSEQUENT REPORT OF RE-DRILLING 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)

RECEIVED
JAN 14 1960
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Farmington, New Mexico, January 13, 1960

V. W. McManus

Well No. 1 is located 1065 ft. from {N/S} line and 890 ft. from {E/W} line of sec. 22

SW/4 of Section 22 (¼ Sec. and Sec. No.) T-28N (Twp.) R-12W (Range) N.M.P.M. (Meridian)

West Kutz Dakota (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 5666 ft.

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OIL CON. COM.
DIST. 3

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)

We propose to workover V. W. McManus #1 and dual complete well in Gallup and Dakota zones as follows:

1. Move in workover rig, and pull tubing.
2. Clean out hole to original total depth 6188', and run caliper survey over open hole section.
3. Run 5" - 15# liner 5900-6188' with pack off type liner hanger. Cement with sufficient volume of 6% gel cement with 1-1/2 lbs. medium Tuf Plug per sack to fill to liner hanger. Check top of liner with bit. Run packer and test top of liner to 2500 psi. Run tubing and bit to check inside of liner. Spot 250 gallons mud cut acid spearhead before coming out of hole.
4. Run Gamma Ray correlation log and perforate Dakota 6 shots per foot 6039-6045' and 6076-6080'.
5. Sand-water frac Dakota with 40,000 gallons gelled water containing fluid

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

Company Pan American Petroleum Corporation

Address Box 487

Farmington, New Mexico

Attn: L. O. Spear, Jr.

By [illegible]

Title Area Engineer

GPO 862040

loss additive and 40,000 lbs. 20-40 mesh sand.

6. Check sand fill-up, clean out casing, and blow well to establish Dakota productivity.

7. Kill well with light gel mud, and set Baker Model D in 7-inch casing above top of liner. Run Baker Model B expendable plug to convert packer to temporary bridge plug. Pressure test packer assembly and displace mud with oil.

8. Reperforate Gallup 6 shots per foot 5416-5421'.

9. Sand-oil frac Gallup with 40,000 gallons oil containing a fluid loss additive and 40,000 lbs. 20-40 mesh sand with tail-in of 10,000 lbs. 10-20 mesh sand.

10. Check sand fill-up, clean out casing, and flow or swab well to clean up zone.

11. Run Dakota and Gallup strings of tubing, and return well to production.