Form 9-331a
(Feb. 1951)

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. SF 080515
Unit

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	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	

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JUN 27 1962
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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

June 22, 19 62

Elliott-Federal
Well No. 2 is located 1190 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 7

NW/4 Sectio n 7 (¼ Sec. and Sec. No.) 23 North (Twp.) lWest (Range) NMPM (Meridian)

Undesignated (Field) Rio Arriba (County or Subdivision) New Mexico (State or Territory)

The elevation of the ~~derrick~~ ground floor above sea level is 7500 ft.

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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)

Subject well was spudded November 17, 1961. 8 5/8" surface casing was set at 102' and cemented with 50 sakcs. TD of 3296' was reached November 22, 1961. 4 1/2" casing set at 3294' and cemented with 100 sacks. Subject well was perforated at the intervals 3209-24 with 60 holes on November 20, 1961. Well was sand-fraced approximately December 4, 1961. Ran 1" tubing to 3201'.

Subject well tested April 11, 1962. Initial potential 3151 MCF/d

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

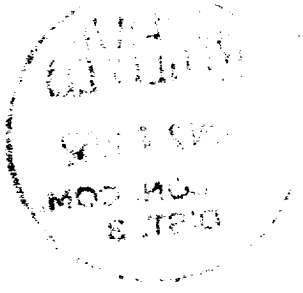
Company Shar-Alan Oil Company

Address 1402 Denver U. S. National Center

Denver, Colorado

By Richard S. Hunt
Richard S. Hunt
Title Manager of Lands & Explorations

GPO 862040



OPEN FLOW TEST DATA

Date: 4-11-62

Operator: Shan-Alan

Lease: Elliott Fed #2

Location: NW 7-23N-1W

County: Rio Arriba State: N M

Formation: Pictured Cliff

Pool:

Casing: 4½" Set @ 3294' Tubing: 1¼" Set @

Pay Zone: [illegible]' To: 3294' Total Depth:

Choke Size: 3/4 TBG" Choke Constant = C = 12.365

Stimulation Method: Flow Through: Casing Tubing X

Shut-in Pressure Casing: 869 psig + 12 = 881 psia (Shut-in [illegible] days)

Shut-in Pressure Tubing: 867 psig + 12 = 879 psia

Flowing Pressure: P_t : 159 psig + 12 = 171 psia

Working Pressure: P_w : 162 psig + 12 = 174 psia

Temperature: T : 47 °F + 460 = 507 °Absolute

F_{pv} (from tables) : 1.020 Gravity est .660 n .85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

Q = 12.365 x 17 x 1.0127 x .9535 x 1.020 = 2082 MCF/D

Open Flow - Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof = $\left(\frac{776,161}{746,920} \right)^n$ = $1.0391^{(.85)}$ = 1.0331

Aof = 2151 MCF/D

Tested By:

Witnessed By: Fred Nevan

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OPEN FLOW TEST DATA

Date: 4-11-82

Operator: [redacted] Lease: [redacted]

Location: [redacted] County: [redacted] State: [redacted]

Formation: [redacted] Pool: _____

Casing: 4½ " Set @ [redacted] ' Tubing: 1½ " Set @ _____

Pay Zone: [redacted] ' To: [redacted] ' Total Depth: _____

Choke Size: [redacted] " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: [redacted] psig + 12 = [redacted] psia (Shut-in [redacted] days)

Shut-in Pressure Tubing: [redacted] psig + 12 = [redacted] psia

Flowing Pressure: P : [redacted] psig + 12 = [redacted] psia

Working Pressure: P_w : [redacted] psig + 12 = [redacted] psia

Temperature: T : [redacted] °F + 460 = [redacted] °Absolute

F_{pv} (from tables) : [redacted] Gravity [redacted] n [redacted]

Choke Volume = Q = $C \times P_t \times F_t \times F_g \times F_{pv}$

Q = [redacted] = [redacted] MCF/D

Open Flow - Aof = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$

Aof = $\left[\frac{776,161}{746,980} \right]^{.85}$ = [redacted]

Aof = 2151 MCF/D

Tested By: _____

Witnessed By: [redacted]

Jack A. Cole