

APPROVED

Form 9-281a
(Feb. 1961)

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MAY 31 1961
E. W. Standley
E. W. STANDLEY
DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R368.4.
Approval expires 12-31-60.

Land Office _____
Lease No. **W M 00118**
Unit _____

MAY 31 1961

SUNDRY NOTICES AND REPORTS ON WELLS

HUBBS, NEW MEXICO

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.....	Notice of intention to abandon well 100' West	2

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

May 24, 1961

Well No. **8** is located **1900** ft. from **N** line and **1900** ft. from **W** line of sec. **29**

22 1/4 (Sec. No.) **2-2** (Twp.) **37-E** (Range) **104W** (Meridian)
Hubbs (Field) **Bernalillo** (County or Subdivision) **New Mexico** (State or Territory)

See Surveyor's plat (Plan C. 124) attached.
The elevation of the derrick floor above sea level is **4045** 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)

See detailed statement of proposed work attached.

AVAILABLE COPY

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

Company **DAVID FASHEN**

Address **403 First National Bank Bldg.** **DAVID FASHEN**

Hubbs, Texas By **Richard S. Brooks**

Telephone No. 310 2-2200 Title **Assistant**

David Fashen-Application for permit to directionally drill, Exhibit 1

GPO 662040

FASKEN KING-DAVIS FEDERAL NO. 2

STATEMENT ACCOMPANYING NOTICE OF INTENTION TO REDRILL (SIDETRACK) WELL 300 FEET WEST

This well was drilled to the Bough "C" member of the Pennsylvanian section at a depth of 9,500 feet from the surface with casing program as heretofore reported as follows:

Surface casing, 13-3/8 inch set at 400 feet with 300 sacks of 50-50 posmix with 4% gel and 100 sacks of neat cement. Cement circulated back to surface. Cement setting time 36 hours, initial shutin pressure 1800 p. s. i. g. and 30 min. shutin 1800 p. s. i. g.

Intermeidate casing, 8-5/8 inch set at 4,400 feet with 1,650 sacks of 50-50 posmix containing 6% gel and 200 sacks of neat cement. Cement circulated. Cement setting time 36 hours. Initial shutin pressure 1800 p. s. i. g. and 30 min. shutin 1800 p. s. i. g.

Oil string casing, 5-1/2 inch set at 9,500 feet with 200 sacks of 50-50 posmix and 50 sacks of neat cement containing 45 gallons Latex. Initial shutin pressure 1800 p. s. i. g. and 24 hours shutin pressure 1800 p. s. i. g. Top of cement per temperature survey and calculated free point 6,800 feet from the surface.

Weights and grades of oil string casing are as follows:

<u>Size</u>	<u>Weight and Grade</u>	<u>Depth</u>	<u>Footage</u>
5-1/2	17# J-55 LT&C	0 to 1470	1470
5-1/2	15.5# J-55	1470 to 7172	5702
5-1/2	17# J-55	7172 to 9073	1901
5-1/2	17# N-80	9073 to 9500	427

Oil string casing was perforated for production in the interval 9,467 feet to 9,490 with 4 shots per foot.

Various acid and fracture treatments were carried out as detailed in the accompanying copy of application to New Mexico Oil Conservation Commission for permit to sidetrack hole which is here referred to and incorporated herein for all purposes. Production tests were conducted by flowing, swabbing and pumping at various intervals between the several treatments with progressively deteriorating results. Based upon cores taken from Fasken King-Davis Federal No. 4 Well on the same lease located 1980 feet from West line and 660 feet from South line of Section 27, T-8-S, R-37-E, it has been concluded that porosity and permeability in the Bough "C" section of the Pennsylvanian formation in

Fasken King-Davis Federal Well No. 1 (the subject well) were impaired by secondary deposition of bentonitic shale and that treatments resulted in further impairment of porosity and permeability on account of swelling of shale. The calculated area theoretically affected by such treatments, assuming uniform distribution of injected fluid, is presumed to be a circle about the well bore having a radius of 240 feet.

The operator, accordingly, proposes to set 40 sack cement plug at 9490 to 9390 (top of Pennsylvanian) to cut off casing at the free point at or about 6,800 feet from the surface and set 300 sack cement plug at the top of cutoff casing. The operator then proposes to set whipstock at the top of such 300 sack cement plug at a datum of approximately 6,500 feet from the surface, to be determined according to fillup of cement as actually obtained and free point of casing as actually determined in salvage operations. Operator then proposes to drill sidetracked hole by means of such whipstock and from the point of whipstock setting so as to deviate hole in the interval of 500 feet below sidetrack point and thence to directionally drill hole so as to bottom same at 9,500 feet from the surface and at a location 300 feet West of surface position; that is, at a location 1980 feet from North line and 1680 feet from West line of said Section 27 and 360 feet from West line of the SE/4 of the NE/4 of said Section 27. It is calculated that such revised bottom hole position will be outside the area affected by unsuccessful treatments but 360 feet from the nearest boundary of the quarter quarter section within which the well is located and well within the boundary lines of the lease. RA

Upon recompletion of said well as above described Operator proposes to rerun oil string casing in accordance with the original casing and cementing program hereinabove stated.

Respectfully submitted.

DAVID FASKEN

BEST AVAILABLE COPY

By Richard S. Brooks
Richard S. Brooks, Attorney
608 First National Bank Building
Midland, Texas

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WELL LOCATION AND ACREAGE DEDICATION PLAT

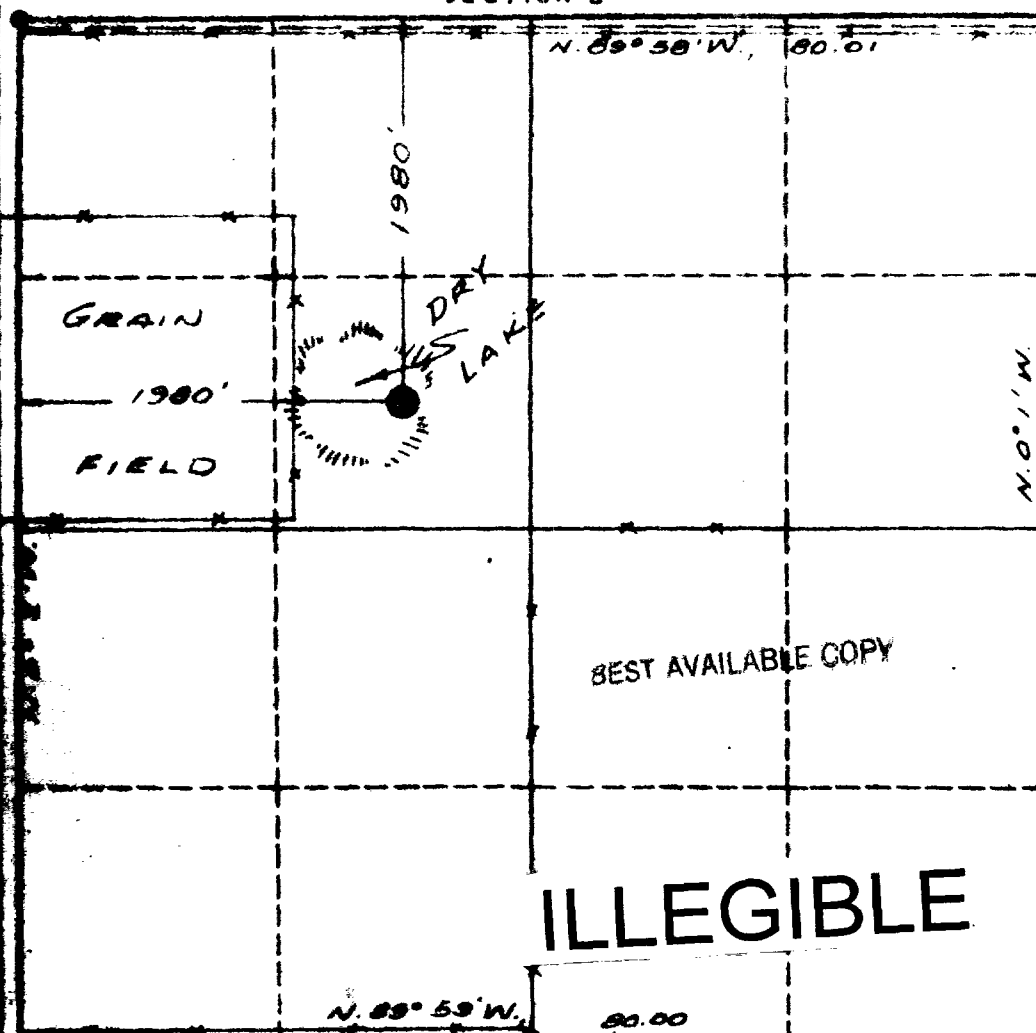
SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

Operator DAVID FASKEN		REG-DAY 2 FEDERAL		T. 34N. R. 10E. S. 3	
Unit Letter 3	Section 27	Township 34 North	Range 10 East	County Doña Ana	
Actual Tractage Location (if any) 1960 feet from the North line and 1980 feet from the West line					
Ground Level Elev. 4001	Producing Formation Rough "C"	Pool Bluit Field		Dedicated Acreage: 80 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO ____ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and "another." (61-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ If answer is "yes," Type of Consolidation ____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

DAVID FASKEN

Name

By *Richard S. Brooks*

Position **Richard S. Brooks**
Attorney

Company

DAVID FASKEN

Date

May 29, 1961

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Subscribed

October 5 and 6, 1961

Registered Professional Engineer and/or Land Surveyor

John W. [Signature]

Certificate No.

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