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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Warren
9. Well No. 2
10. Field and Pool, or Wildcat Midway (Devonian)
12. County Lea

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator DAVID FASKEN		8. Farm or Lease Name Warren
3. Address of Operator 608 First National Bank Building, Midland, Texas 79701		9. Well No. 2
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>22,000</u> FEET FROM THE <u>North</u> LINE AND <u>880</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>8</u> TWP. <u>17-S</u> RGE. <u>37-E</u> NMPM		10. Field and Pool, or Wildcat Midway (Devonian)
19. Proposed Depth 12,000'		19A. Formation Devonian
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3775.4 GR
21A. Kind & Status Plug. Bond Statewide		21B. Drilling Contractor Landis Drilling Co.
22. Approx. Date Work will start August 10, 1980		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48	400'	350	Surface
12-1/4"	8-5/8"	24 & 32	4500'	1600	Surface
7-7/8"	4-1/2"	13.50 & 11.60	12000'	1st Stage - 750 2nd Stage - 950	8500' 3800'

See attached:

- Copy of drilling and completion procedure.
- BOP plan.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,EXPIRES 10/15/80THE COMMISSION MUST BE NOTIFIED
24 HOURS PRIOR TO COMMENCEMENT OF WORK

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Robert H. Angevine Title Robert H. Angevine, Agent Date 7-21-80

(This space for State Use)

APPROVED BY John W. Kump TITLE Geologist DATE JUL 23 1980

JUL 17 '80

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

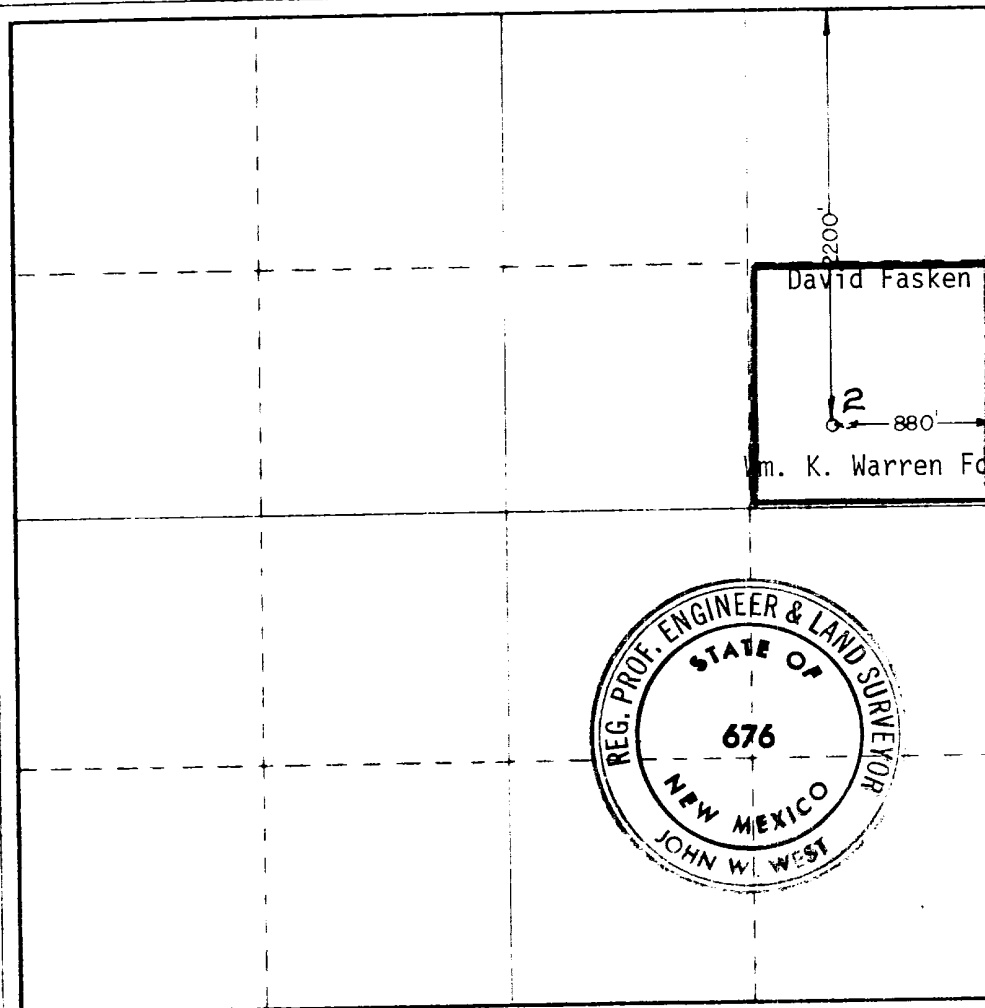
Operator David Faskin			Lease Warren		Well No. 2
Unit Letter H	Section 8	Township 17 South	Range 37 East	County Lea	
Actual Footage Location of Well: 2200 feet from the North line and 880 feet from the East line					
Ground Level Elev. 3775.4	Producing Formation Devonian		Foot Midway (Devonian)		Dedicated Acreage 40

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Robert H. Angevine
Signature

Robert H. Angevine

Position

Agent

Company

DAVID FASKIN

Date

7-21-80

I hereby certify that the well location shown on this plat 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 Surveyed

July 14, 1980

Registered Professional Engineer

and State Surveyor

John W. West
Signature

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6863
Ronald J. Eidson 3239

330 650 970 1290 1610 1930 2250 2570 2890 3210 3530 3850 4170 4490 4810 5130 5450 5770 6090

RECOMMENDED DRILLING & COMPLETION PROCEDURE

A.F.E. NO. 455

David Fasken ----- WARREN NO. 2 ----- Lea County, New Mexico

1. Drill 17-1/2" hole to 400' with spud mud.
2. Set 13-3/8" casing at 400', cement to surface and install 12" - 3000 psi WP casinghead and B.O.P. stack (estimate 250 sxs. Halliburton Lite with 2% CaCl slurry weight 12.7 ppg plus 100 sxs. Class "C" w/2% CaCl slurry weight 14.8 ppg).
3. Drill 12-1/4" hole with brine water to 4500', control seepage with paper, run hole volume survey at 4200'.
4. Set and cement 8-5/8" casing at 4500' with sufficient cement to circulate. (Estimate 1400 sxs. Halliburton Lite with 15# salt/sack and 1/4# Flocele/sack, slurry weight 12.4 ppg, plus 200 sxs. Class "C" with 2% CaCl, slurry weight 14.8 ppg). W.O.C. 18 hours, install 12" - 3000 psi x 10" - 3000 psi spool with secondary seal and bit guide, choke manifold, B.O.P.'s and Hydril.
5. Before 9000', hydrostatically test 300' of 8-5/8" casing to 2300 psi, casing spool, B.O.P.'s and choke manifold to 3000 psi, and Hydril to 1500 psi.
6. Drill 7-7/8" hole to total depth of 11,900' using fresh water to 7200', use 4% KCL water to 10,200', mud up with Polymer starch mud - 8.7 ppg, 38-40 sec. viscosity, 10 cc water loss. Increase viscosity as necessary to maintain hole to total depth.
7. Drill stem test all shows below the Abo.
8. Log well - CNL-FDC with Gamma Ray, DLL, Dip Meter, and BHC Integrated Sonic.
9. Set and cement 4-1/2" production casing with D.V. tool at approximately 8500' (resin coated and centralized through possible production zones).

First Stage: 375 sxs. Class "H" - Halliburton Lite w/6# KCL/sx, 0.6% Halad-22, 1/4# Flocele/sx, plus 375 sx Class "H" w/3# KCL/sx, 0.8% Halad-22, 0.4% CFR-2, 1/4# Flocele/sx.

Second Stage: With D.V. tool at approximately 8500', 850 sxs. Class "C" - Halliburton Lite w/6# KCL/Sx, 0.6% Halad-22, 0.4% CFR-2, 1/2# Flocele/sx plus 100 sx Class "C" neat.
10. Set slips, nipple down B.O.P.'s and run temperature survey to locate cement top.
11. Install 10" - 3000 psi x 6" - 3000# tubinghead and flow tree.
12. Rig down and move out rotary tools.
13. Level location, set mast anchors, move in and rig up completion unit and reverse drilling unit.
14. Drill out D.V. tool and test to 1500#.
15. Clean out to float collar and test casing and tubinghead to 3000# with pump truck.

Recommended Drilling and Completion Procedure - Continued
David Fasken - Warren #2
A.F.E. No. 455

16. Displace drilling fluid with 2% KCL water and spot acid over proposed perforating interval; pull tubing.
17. Perforate pay zone and displace acid.
18. Run packer and seating nipple on tubing and swab test well.
19. Test and evaluate and stimulate well based upon evaluation.
20. Pull tubing and packer.
21. Rerun tubing with appropriate bottom hole equipment.
22. Lay flow line and install electric service.
23. Put well on production and test.
24. Clean up location and level reserve pit.

RECOMMENDED CASING PROGRAM

A.F.E. NO. 455

David Fasken ----- WARREN NO. 2 ----- Lea County, New Mexico

	<u>Footage</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
Surface Casing	450'	13-3/8"	48#/Ft.	J-55	ST&C
Intermediate Casing	2,550'	8-5/8"	24#/Ft.	J-55	ST&C
	1,950'	8-5/8"	32#/Ft.	J-55	ST&C
	<u>4,500'</u>				
Oil String Casing	2,750'	4-1/2"	11.60#/Ft.	N-80	Buttress
	7,300'	4-1/2"	11.60#/Ft.	N-80	LT&C
	1,950'	4-1/2"	13.50#/Ft.	N-80	LT&C
	<u>12,000'</u>				
Tubing	12,000'	2-3/8"	4.7#/Ft.	N-80	EUE 8RD