

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

30-015-25189

Form C-101
Revised 10-1-78

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SANTA FE, NEW MEXICO 87501
FEB 13 1985
O. C. D.

3A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
L-3568

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name Burton Flat Deep Unit No. 14-08-0001-12391
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Burton Flat Deep Unit
2. Name of Operator MONSANTO OIL COMPANY		9. Well No. 38
3. Address of Operator 1300 One First City Center 500 West Texas, Midland, Texas 79701		10. Field and Pool, or Wildcat Undesignated E. Avalon-Bone Spring
4. Location of Well UNIT LETTER X LOCATED 467' FEET FROM THE South LINE AND 467' FEET FROM THE East LINE OF SEC. 2 TWP. 21S RGE. 27E NMPM		12. County Eddy
19. Proposed Depth 5700'		19A. Formation Bone Spring
21A. Kind & Status Plug. Bond Statewide		20. Rotary or C.T. Rotary
21. Elevations (Show whether D.F., H.T., etc.) 3220' GL		22. Approx. Date Work will start As Soon As Possible

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" H-40	48.0# ST&C	600'±	500sx	Circulated
12-1/4"	8-5/8" J-55	24.0# ST&C	2500'±	700sx	Circulated
7-7/8"	5-1/2" K-55	15.5# LT&C	5700'±	750sx	To isolate all water, oil, and gas zones.

Propose to drill to approximately 5700' to test Bone Spring and intermediate formations.

See attached "Supplemental Data" for casing program and pressure control details.

If commercial production is indicated, the well will be completed in the deepest formation, by cementing production casing, perforating and stimulating. Run 2-7/8" tubing and test well.

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 Jerry H. Long Title Agent Date February 11, 1985

(This space for State Use)

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE FEB 19 1985

CONDITIONS OF APPROVAL, IF ANY:

n5k

All distances must be from the outer boundaries of the Section.

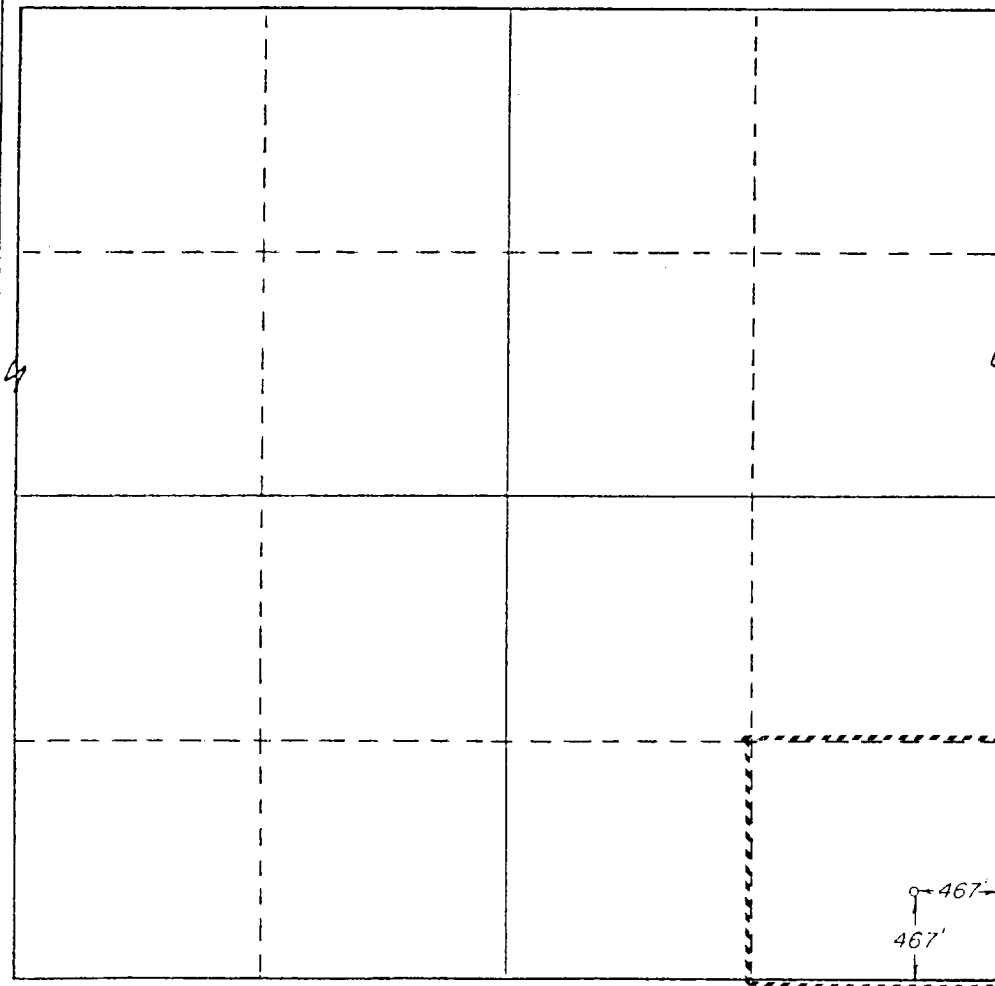
Operator MONSANTO COMPANY			Lease BURTON FLAT UNIT		Well No. 38
Unit Letter X	Section 2	Township 21-S	Range 27-E	County EDDY	
Actual Footage Location of Well: 467 feet from the SOUTH line and 467 feet from the EAST line					
Ground Level Elev. 3220'	Producing Formation Bone Spring		Pool Undesignated E. Avalon-Bone Spring		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Unitization

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 Division.



CERTIFICATION

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

Jerry W. Long
Name
JERRY W. LONG

Position
Agent

Company
MONSANTO OIL COMPANY

Date
February 12, 1985

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.

February 6, 1985

Date Surveyed
RICHARD B. DUNIVEN

Registered Professional Engineer
and/or Land Surveyor

Richard B. Duniven
Certificate No.

4882

SUPPLEMENTAL DRILLING DATA

MONSANTO OIL COMPANY
No.38 Burton Flat Deep Unit
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec.2-21S-27E
Eddy County, N.M.

L-3568

The following items supplement the information on Form C-101.

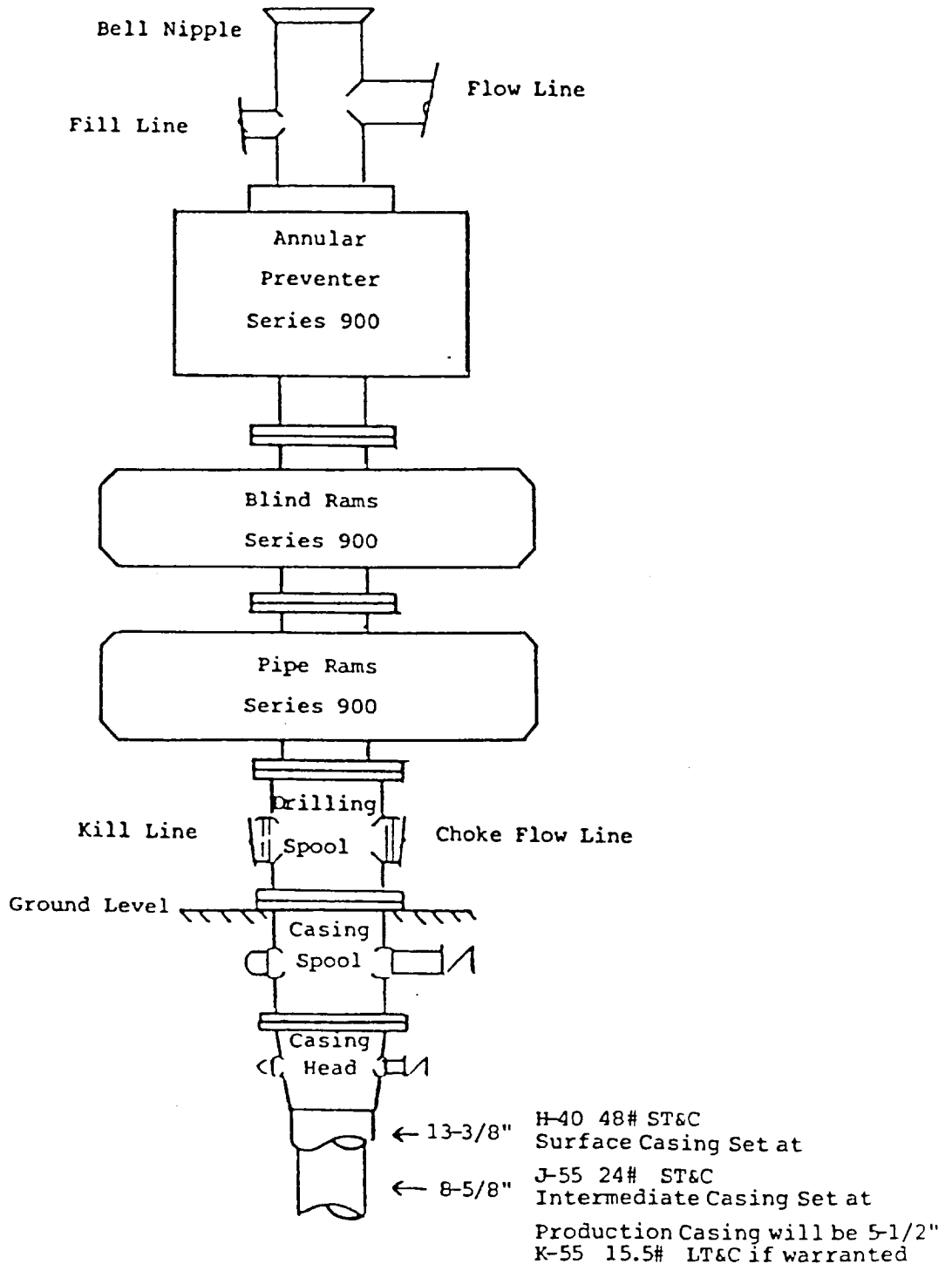
1. PROPOSED CASING PROGRAM:

- 13-3/8" Casing - H-40, 48# ST&C casing will be set to 600'± with cement circulated.
- 8-5/8" Casing - J-55, 24# ST&C casing will be set to 2500'± with cement circulated.
- 5-1/2" Casing - K-55, 15.5# LT&C casing will be set thru the producing zone and cemented with sufficient cement to isolate all oil, gas and water zones.

Intermediate and production casing strings will be tested to 1000 psi.

2. PRESSURE CONTROL EQUIPMENT: Pressure control equipment will include a 3000#WP blowout preventer stack with Series 900 annular preventer and Series 900 blind and pipe rams. The BOP stack will include a kill line and choke manifold tested to 2000 psi. BOP hydraulic controls will be operated at least daily. Mud weight will be maintained between 8.8 and 9.5#/Gal. to control bottom hole pressure. A kelly cock will be installed on the kelly joint and a full opening safety valve will be available on the rig floor.

MONSANTO OIL COMPANY
No.38 Burton Flat Deep Unit
467'FSL 467'FEL Sec.2-21S-27E
Eddy County, N.M.



BLOWOUT PREVENTER STACK
3000#WP
Rams Operated Daily

MONSANTO OIL COMPANY
NO. 38 BURTON FLAT DEEP UNI
SE $\frac{1}{4}$ SE $\frac{1}{4}$ SEC. 2-21S-27E
EDDY COUNTY, N.M.

