

*5-8-70*  
*NSP-830*

**MONSANTO COMPANY  
HYDROCARBONS & POLYMERS DIVISION  
101 N. MARIENFELD  
MIDLAND, TEXAS 79701**

*AM 8 18*  
*70 MAY*

May 1, 1970

U.S.G.S.  
Attn: Mr. James Knauf  
P. O. Box 187  
Artesia, New Mexico

Gentlemen:

Please find enclosed Forms 9-331C and C-102 application for permit to drill Monsanto Company's Avalon Federal "Com" Well No. 1, located 3630' FSL and 660' FEL of Section 1, T-21S, R-25E, Eddy County, New Mexico.

As discussed with our Mr. Bill Basil yesterday by telephone, Mr. Pete Porter, Jr. Secretary-Director of the New Mexico Oil Conservation Commission gave his verbal approval to Mr. Basil by telephone from Aztec, New Mexico for the assignment of the 405.43 acres to this well.

Very truly yours,  
Monsanto Company

*H. S. Weigel*  
H. S. Weigel  
District Engineer

cc: Mr. Pete Porter, Jr.-w/attachments  
New Mexico Oil Conservation Commission ✓  
State Land Office Building  
Santa Fe, New Mexico

Mr. Bill Basil -Monsanto Co. - Midland

bcc: Joe Boyd - Monsanto Co. - Houston

*320*  
*125*  

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*1600*  
*640*  

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*320*  
*40000*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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"/>			5. LEASE DESIGNATION AND SERIAL NO. See below	
1B. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR M.C.			7. LEASE AGREEMENT NAME	
3. ADDRESS OF OPERATOR 101 North Marienfeld, Midland Texas 79701			8. FARM OR LEASE NAME Avalon Federal "Com"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FEL 3630' FSL At proposed prod. zone			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles NW Carlsbad, New Mexico			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) LSE line 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.1, T-21S, R-25E	
16. NO. OF ACRES IN LEASE 405.43			12. COUNTY OR PARISH Eddy County	
17. NO. OF ACRES ASSIGNED TO THIS WELL 405.43			13. STATE N.W.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Estimate 3210'GR			22. APPROX. DATE WORK WILL START* Upon approval	

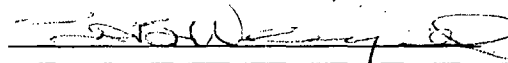
## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48#	350'	Cement to surface
12 1/2"	9 5/8"	36#	3500'	Cement to surface
8 3/4"	7"	23,26,29 #	10,200'	350 sx
6"	4 1/2"	13.5#	10,100-11,500	150 sx

Drill 17" hole to 350". set and cement 13 3/8" to surface. Drill 12 1/2" hole to 3500', set and cement 9 5/8" to surface. Drill 8 3/4" hole to 10,200', set and cement 7" with 350 sx. Drill 6" hole to 11,500', log, set and cement 4 1/2" w/150 sx. Drill stem test all shows of oil or gas. The hole will be drilled with air, water, & mud. BOP: Ser 1500 dbl. hyd.

(5) NM-A 0560012, NM 036222-A, NM-0491036, NM-0491036, NM-0454228, NM-070409

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED 	TITLE District Engineer	DATE 5-1-70
(This space for Federal or State office use)		

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

Operator <b>Monsanto Company</b>			Lease <b>Avalon Federal "Com"</b>		Well No. <b>1</b>
Unit Letter	Section <b>1</b>	Township <b>21S</b>	Range <b>25E</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>3630</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>East</b> line					
Ground Level Elev. <b>Estimate 3210'</b>	Producing Formation <b>Morrow and Devonian</b>		Pool <b>Wildcat</b>		Dedicated Acreage: <b>405.43</b> 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 By Joint Operating Agreement to be followed by Communitization upon completion.

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.

<p>See Plat Attached For Location</p>	
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**CERTIFICATION**

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

**Original Signed  
BY: H. S. WEIGEL**

Name **H. S. Weigel**  
Position **District Engineer**

Company **Monsanto Company**

Date **May 1, 1970**

Date

*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.*

**April 28, 1970**

Date Surveyed

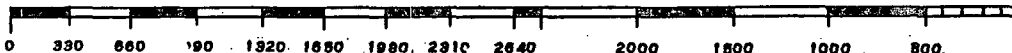
**Richard B. Duniven**

Registered Professional Engineer  
and/or Land Surveyor

**Texas Reg. #1528**

Certificate No.

**New Mexico Appl. pending**



PLAT SHOWING  
PROPOSED NEW WELL LOCATION

EDDY

County, New Mexico

Description: 3630' FSL & 660' FEL

1  
Section

21S  
Block

25E  
Survey

T-20-S

R-26-E

PECOS

RIVER

T-21-S

R-25-E

T-21-S

R-26-E

Bridge

Flagged Trail

HWY. 285

See list attached  
identifying each  
lease

Scale: 1"=2000'

Date Staked: April 28, 1970

Operator: MONSANTO COMPANY

Lease Name: Avalon Federal

Well No.: 1

Topography & Vegetation Sandy pasture land

Good Drill Site? YES Reference Stakes or  
Alternate Location  
Stakes Set } 100'E 100' W

Best Accessibility to Location Ranch road through Sec. 120' SW of location

Distance and Direction from Hwy Jct. or Town From Jct. US 62&285 in Carlsbad go 11.5 Mi. along

Hwy. 285 to gate just South of a Bridge follow flagged trail to location.

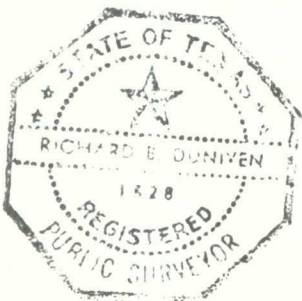
CERTIFICATE:

I, RICHARD B. DUNIVEN a Registered Public Surveyor  
and an authorized agent of Topographic Engineering Co., do hereby certify that the above  
described well location was surveyed and staked on the ground as shown herein.

*Richard B. Duniven*  
Texas Reg. No. 1528., New Mexico applied for.

TOPOGRAPHIC ENGINEERING COMPANY

404 W. Illinois  
PHONE (915) 682-4851  
MIDLAND, TEXAS 79701



MAIN OFFICE 000

970 MAY 4 AM 8 19

<u>Lease Description</u>	<u>Working Interest Ownership</u>	<u>Royalty Ownership</u>	<u>ORR or Production Payment Ownership</u>
(1) That portion of Lots 17, 18 & 24 lying North & East of the Pecos River.	Len Mayer 100%	U. S. A. NM-A 0560012 12.5%	W. B. Walker, et al 3%
(2) That portion of Lots 17, 18 & 24 lying South and West of the Pecos River.	Texaco Inc. 100%	Pardue Farms, et al 12.5%	Pardue Farms, et al 3.125%
(3) Lot 23	Monsanto Co. - 50% David Fasken - 50%	U. S. A. NM-036222-A 12.5%	Edith Riggs, et vir \$500 per ac. out of 5%
(4) Lots 25, 26, 27 & 28	Monsanto Co. - 50% David Fasken - 50%	U. S. A. NM-0491036 12.5%	Robt. P. Kunkel, et a 5%
(5) Lot 29	Texaco Inc. 100%	U. S. A. NM-0454228 12.5%	Ervin J. Levers, et ux 3%
(6) Lots 30, 31 & 32	Atlantic Richfield - 50% Union Oil of California - 50%	U. S. A. NM-070409 12.5%	Mrs. C. E. Todhunter \$750 per ac. out of 5%.