

Submit to Appropriate District Office
State Lease -- 6 copies
Fee Lease -- 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)
30-025-31297

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.
B-2657

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:
DRILL RE-ENTER DEEPEN PLUG BACK
b. Type of Well:
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

7. Lease Name or Unit Agreement Name
State A-2 "A"

2. Name of Operator
Conoco, Inc.

8. Well No.
7

3. Address of Operator
10 Desta Dr. Ste 100W, Midland, TX 79705-4500

9. Pool name or Wildcat
Skaggs Drinkard

4. Well Location
Unit Letter I : 1650 Feet From The South Line and 330 Feet From The East Line
Section 2 Township 20S Range 37E NMPM Lea, NM County

10. Proposed Depth 7050'
11. Formation Drinkard
12. Rotary or C.T. Rotary

13. Elevations (Show whether DF, RT, GR, etc.) 3594 GR
14. Kind & Status Plug. Bond Blanket
15. Drilling Contractor
16. Approx. Date Work will start 6/18/91

17. **PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14-3/4 13 1/2	9-5/8	36	1475'	560 sxs	Circ.
8-3/4	7"	26	7050'	1565 sxs	Circ.

This well is to drilled as a Drinkard oil producer.

- Attached are:
1. Well location and Acreage Dedication Plat.
 2. Proposed Well Plan Outline.
 3. Cementing Program Outline.
 4. BOP Specifications.

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.

SIGNATURE Jerry W. Hoover TITLE Sr. Conservation Coordinator DATE 6-13-91

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-654

(This space for State Use)
APPROVED BY JERRY SEXTON
SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

JUN 17 1991

Submit to Appropriate
District Office
State Leases - 4 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator CONOCO, INC.			Lease <i>State A-2 "A"</i>		Well No. 7
Unit Letter I	Section 2	Township 20 SOUTH	Range 37 EAST	County LEA	
<small>NMPM</small>					

Actual Footage Location of Well:
 1650 feet from the **SOUTH** line and 330 feet from the **EAST** line

Ground level Elev. 3593.5	Producing Formation Drinkard	Pool Skaggs Drinkard	Dedicated Acreage: 40 Acres
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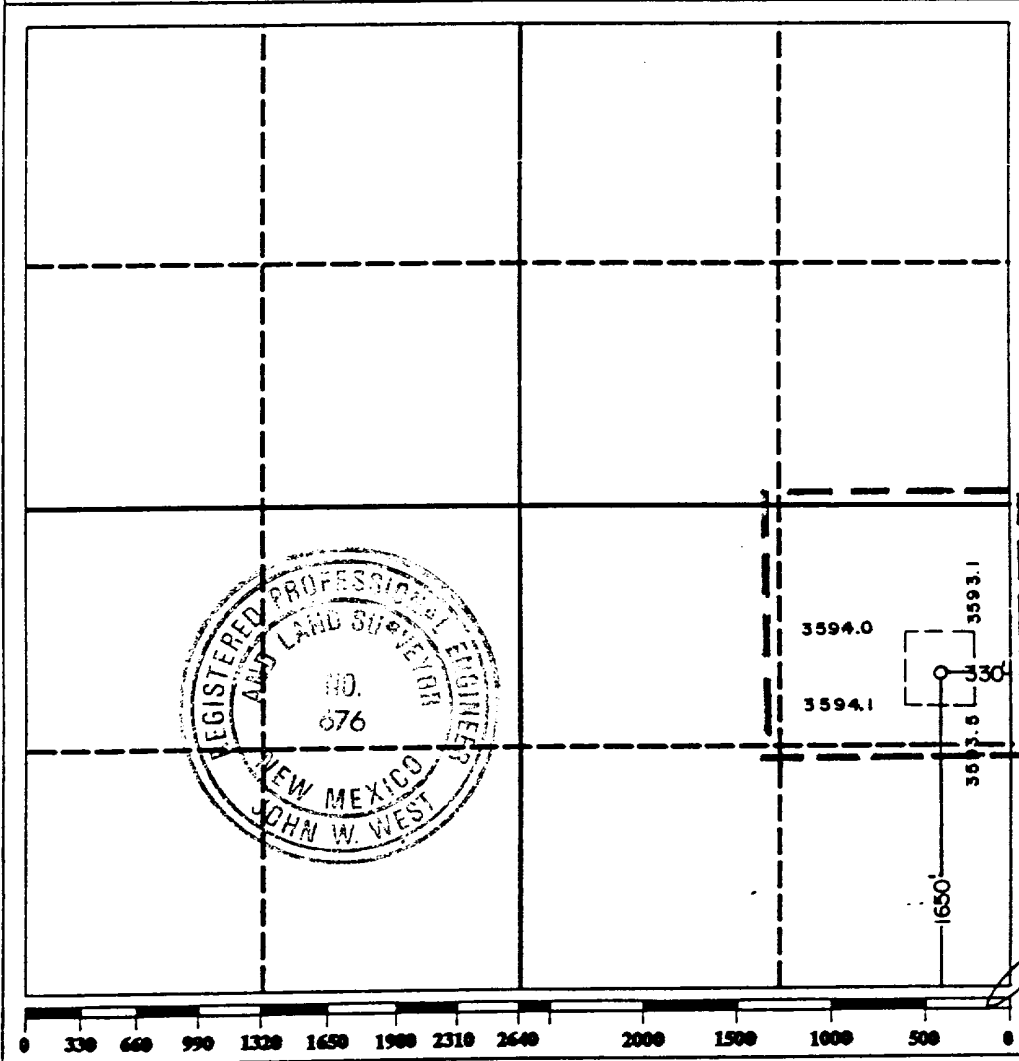
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

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 interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature: *Jerry W. Hoover*

Printed Name: **Jerry W. Hoover**

Position: **Sr. Conservation Coordinator**

Company: **Conoco, Inc.**

Date: **June 13, 1991**

SURVEYOR CERTIFICATION

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: **5-24-91**

Signature & Seal of Professional Surveyor: *John W. West*

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

128630

PROPOSED WELL PLAN OUTLINE

WELL NAME: State A2A No. 7

COUNTY: Lea

STATE: NM

LOCATION: 1650' FSL & 330' FEL

EST. KB: 3609'

Sec. 2, T-20S, R-37E

EST. GL: 3594'

DEPTH	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE-DEPTH	FRAC GRAD	FORM PRESS GRAD	(PPG) MUD WT & TYPE	DAYS
	Redbeds	Possible Hole		14-3/4				Fresh	
500		Enlargement & Sloughing	Deviation Surveys every 250' $\leq 3^\circ$					Gel & Lime 8.4-9.0 ppg	1
1000					9-5/8' 36.0#				
	Rustler 1431				K-55 @ 1475'				2
1500			Deviation surveys every 500' $\leq 3^\circ$	8-3/4"				Saturated Brine 10.0-10.5 ppg	
2000							<8.3		5
2500	Base salt 2600	Possible Yates gas kick (short blow in well 1 mile south)							
	Yates 2750								
3000	7 Rivers 3015	H ₂ S in Queen, Grayburg & Glorietta	Install H ₂ S monitors @ 3000'						7
3500	Queen 3590								
	Grayburg 3915	Possible water flows (waterflood) 3700-3825'							
4000	San Andres 4125								9
4500							<8.3		
5000	Glorieta 5330	Possible lost circulation (mudding up should reduce to seepage)	Two man mudloggers 5000'-TD		DV Tool @ 5100'	13.5-		Salt Gel & Starch 10-10.5 ppg	12
5500						15.5			
	Blinebry Mkr 5885								
6000									14
	Tubb Mkr 6439								
6500					DV Tool @ 6500'		<8.3		
	Drinkard 6755					13.5-			
						14.8			
7000	TD @ 7050'		GR-DLL-MSFL-CAL 7050-5000 GR-CNL-FDC Cybil log 7050'-5000'		7" - 26# K-55 @ 7050'				21
					LT&C				

REC- 7

JUN 14 1991

Clk
NOBBS OFFICE

WELL NAME: State A-2 "A" No. 7

LOCATION : 1650' ESL & 330' EEL, Sec. 2, T-20S, R-37E

Casing Program

Surface 9-5/8 inch in 14-3/4 hole at 1475 ft.
Inter _____ inch in _____ hole at _____ ft.
Prod 7 inch in 8-3/4 hole at 7050 ft.

Cementing Program

Surface

Lead 360 sxs Class C Lite Mixed at _____ ppg
Additives 2% A-7 (CaCl)
Tail 200 sxs Class C Mixed at _____ ppg
Additives 2% A-7

Intermediate (first stage)

Lead _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Tail _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water loss _____ cc

(second stage)

Lead _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Tail _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water loss _____ cc

Production (first stage)

Lead 450 sxs Class H Mixed at _____ ppg
Additives 1% FL-20
Tail _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water loss _____ cc

(second stage)

Lead 450 sxs Class H Mixed at _____ ppg
Additives 1% FL-20
Tail _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water loss _____ cc

(third stage)

Lead 715 sxs Class C
Additives 5% Gel + 18% A-5 + 0.5% FL-20
Tail 200 sxs Class C
Additives: 1% A-7

BOP SPECIFICATIONS

