

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

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

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

API NO. (assigned by OCD on New Wells)
32-045-28239

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-03792

7. Lease Name or Unit Agreement Name
Riddle SWD

8. Well No.
#1

9. Pool name or Wildcat
Wildcat *Entrada*

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 ☒ ~~DOUBLE ZONE~~ ☐

2. Name of Operator
Water Disosal

3. Address of Operator
Amoco Production Co. Atten. J.L. Hampton
P.O. Box 800, Denver, CO 80201

4. Well Location
Unit Letter P : 610 Feet From The South Line and 330 Feet From The East Line
Section 16 Township 30N Range 9W NMPM San Juan County

10. Proposed Depth
8410' TD

11. Formation Morrison/
Bluff/Entrada

12. Rotary or C.T.
Rotary

13. Elevations (Show whether DF, RT, GR, etc.)
5964' GR

14. Kind & Status Plug. Bond
State-Wide

15. Drilling Contractor
Unknown

16. Approx. Date Work will start

17.

PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	94#	300'	640	Surface
17½"	13 3/8"	54.5, 61, 68#	3100'	1700	Surface
12½"	9 5/8"	36#, 40#	5300'	1400	2800'
8½"	7"	23#, 26#	8410'	700	5000'

See attached injection well data sheet.

APPROVAL EXPIRES 9-18-91
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
SEP 18 1990
OIL CON. DIV.
DIST. 3

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 J.L. Hampton TITLE St. Staff Admin. Supt. DATE 9/17/90
TYPE OR PRINT NAME J.L. Hampton

TELEPHONE NO.

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SEP 18 1990

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

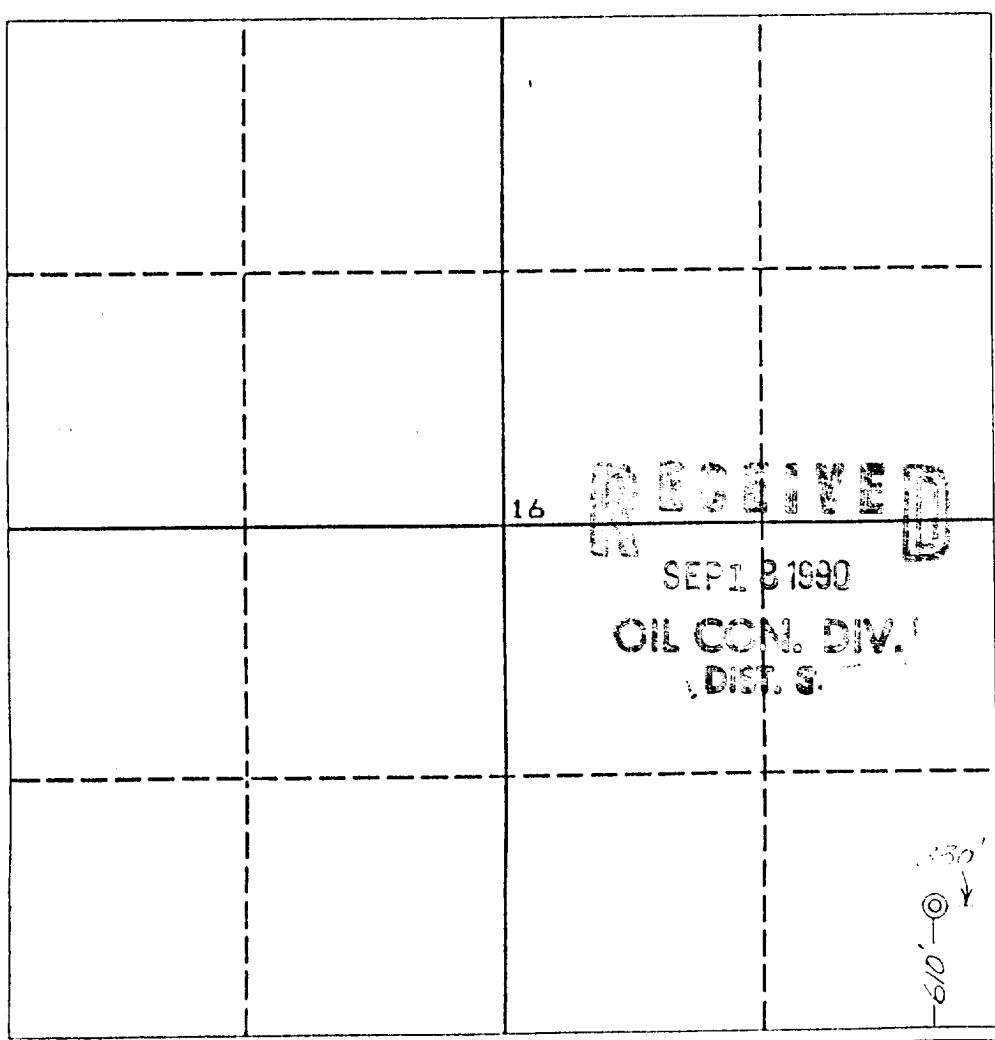
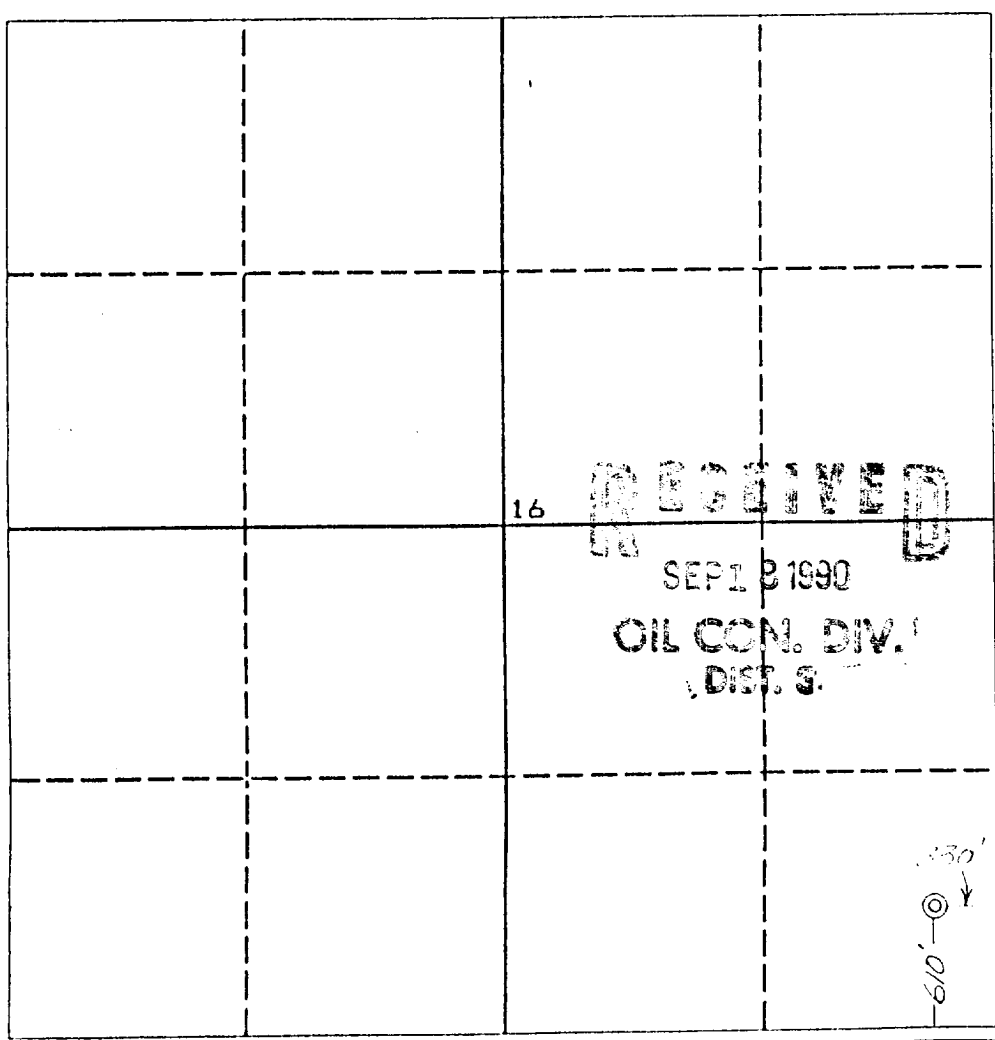
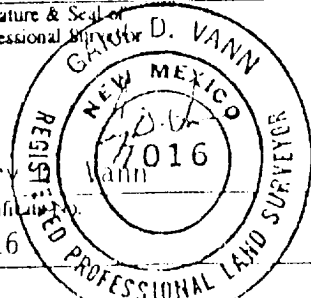
P.O. Box 2088
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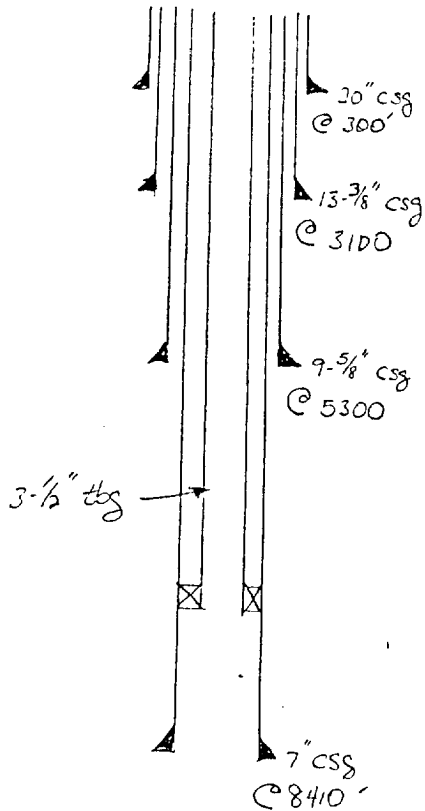
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator AMOCO PRODUCTION COMPANY			Lease RIDDLE SWD		Well No. # 1
Unit Letter P	Section 16	Township 30 NORTH	Range 9 WEST	County SAN JUAN	
Actual Footage Location of Well: 610 feet from the SOUTH line and 330 feet from the EAST line					
Ground level Elev. 5964	Producing Formation Morrison/Bluff/Entrada		Pool Wildcat Entrada	Dedicated Acreage: N/A Acres	
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 <i>J.L. Hampton</i> Printed Name J.L. Hampton Position SR Staff Admin. Supv. Company Amoco Production Co. Date 9/14/90	
				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 July 30, 1990 Signature & Seal of Professional Surveyor GARY D. VANN  Gary Certification No. 7016	

INJECTION WELL DATA SHEET

Amoco Production Company
 Operator 1 610' FNLX 330' FEL 16 30 N 9 W
 Well No. Footage Location Section Township Range
San Juan County, New Mexico
 Schematic Tabular Data



Surface Casing

Size 20 " Cemented with 640 sx.
 TOC surface feet determined by circulation
 Hole size 26 "

Intermediate Casing

Size 13-3/8 " Cemented with 1700 sx.
 TOC surface feet determined by circulation
 Hole size 17-1/2 "

Intermediate Casing
~~Long String~~

Size 9-5/8 " Cemented with 1400 sx.
 TOC 2800 feet determined by bond log
 Hole size 12-1/4 "
 Total depth 5300 '

Injection interval
 (will perforate selected intervals)

7300 feet to 8200 feet

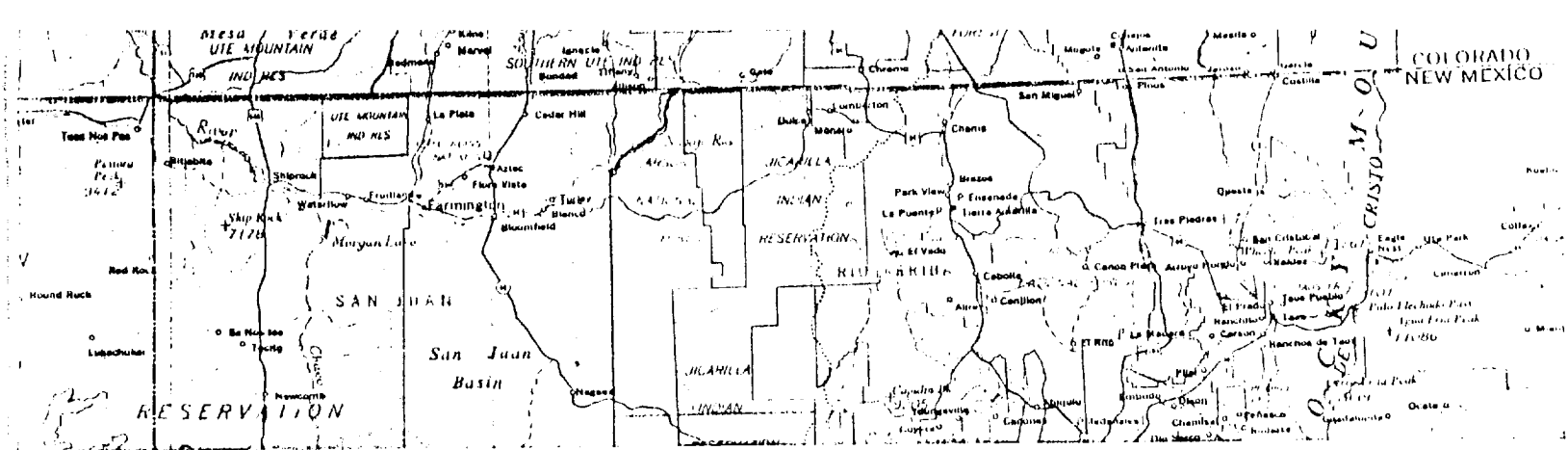
~~Long String~~
~~Liner~~

Size 7 " Cemented with 700 sx.
 TOC 5000 feet determined by bond log
 Hole size 8-1/2 "
 Total depth 8410 '

Tubing size 3-1/2 " lined with plastic set in a
Baker Inverted Lok-Set (material) packer at 7250 (approx.) feet
 (brand and model)
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Morrison, Bluff, and Entrada
- Name of Field or Pool (if applicable) NA
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such intervals and give plugging detail (sacks or cement or bridge plug(s) used). NO
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. 2562'-Fruitland, 2728'-Pictured Cliffs, 4347'-Mesaverde, 7070'-Dakota.



RIDdle SWD # 1
 610' F/SL 330' F/EL
 SEC. 16, T30N, R9W, NMPM
 RAIL POINT: 157 mi - Montrose, Co.
 MUD POINT: 14 mi - Aztec, NM
 CEMENT POINT: 28 mi - Farmington, NM

