

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

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

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

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

API NO. (assigned by OCD on New Wells)
30 025 31857
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

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 ☐	
2. Name of Operator Mitchell Energy Corporation	7. Lease Name or Unit Agreement Name Scharbauer "4"
3. Address of Operator P.O. Box 4000, The Woodlands, Texas 77387-4000	8. Well No. 1
4. Well Location Unit Letter 0 : 660 Feet From The South Line and 1980 Feet From The East Line Section 4 Township 20S Range 33E NMPM Lea County	9. Pool name or Wildcat West Teas (Yates/7 Rivers)
10. Proposed Depth 5,300	
11. Formation Yates/7 Rivers	
12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 3556 GR	14. Kind & Status Plug. Bond Blanket on File
15. Drilling Contractor	
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
26-1/2"	20"	94#	500'	950 sx	Surface
17-1/2"	13-3/8"	68#	2,950'	2207 sx	Surface
12-1/4"	8-5/8"	32#	5,382'	885 sx	Surface
7-7/8"	5-1/2"	17#	13,719'	1000 sx + 800 sx thru DV @ 9724'	TOC @ 6630'

Mitchell hereby requests permission to recomplete the subject well as follows:

1. MIRU. POOH w/rods. ND WH & NU BOP. POOH w/tbg.
2. Set CIBP @ ±9200'. Bail 35' cmt on top.
3. Free point & cut 5 1/2" csg (TOC ±6630'). Load hole w/9.5 ppg mud. POOH LD csg.
4. RIH w/tbg. Spot 35 sx cmt plug 50' below csg stub to 50' above csg stub. Tag plug w/tbg.
5. PU spotting 50 sx cmt plug 5440-5332' across 8 5/8" csg shoe. Tag plug w/tbg.
6. Set CIBP @ ±5300'.
7. Perf 3348-65', acidize w/1000 gals 7 1/2% NeFe. Possible frac w/38,000# sand based on swab test evaluation.
8. Set RBP @ 3330'.
9. Perf 3156-3273', acidize w/2500 gals 7 1/2% NeFe. Frac w/171,000# sand.
10. Pull RBP & place 3156-3273' & 3348-65' on pump.

Present and proposed wellbore schematics are attached.

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 George Mullen TITLE Reg. Affairs Specialist DATE 11-22-93
TYPE OR PRINT NAME George Mullen TELEPHONE NO. (713) 377-5855

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE DEC 01 1993

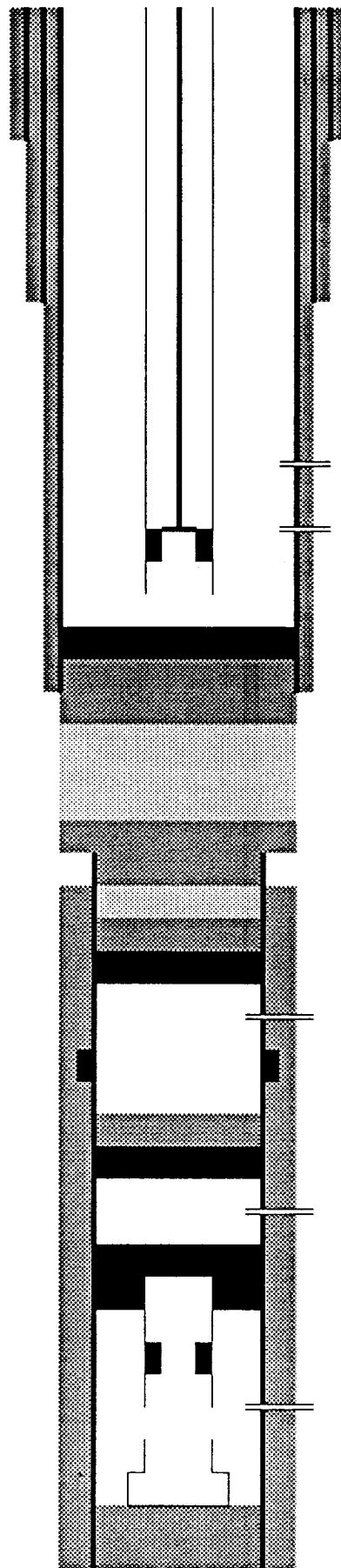
CONDITIONS OF APPROVAL, IF ANY:

Scharbauer "4" #1
 Gem (Bone Spring) Field
 Lea Co., NM
 JGC 11-10-93

Proposed

KB: 3574'
 GL: 3556'

CIBP @ $\pm 5300'$



TD 13720'

20", 94#, K-55, BTC @ 500'
 cmt w/ 950 sx

13-3/8", 68#, K-55, BTC @ 2950'
 cmt w/ 2207 sx

2-7/8", 6.5#, N-80, EUE 8rd tbg

3156' - 3273' (37 holes), Yates

3348' - 65' (18 holes), Yates
 SN @ $\pm 3390'$
 EOT @ $\pm 3420'$

8-5/8", 32#, K-55, ST&C @ 5382'
 cmt w/ 885 sx
 Cmt plug across 8-5/8" csg shoe

Hole loaded w/ mud

Cmt plug in 5-1/2" csg stub

TOC @ 6630'

CIBP @ $\pm 9200'$ w/ 35' cmt on top
 9230' - 9350' (42 holes), Bone Spring

DV tool @ 9724', cmt w/ 800 sx

CIBP @ 11360' w/ 30' cmt on top

11374' - 11438' (64 holes), Wolfcamp

CIBP @ 13150' w/ 30' cmt on top
 Otis "BWB" pkr @ 13155' w/ "X" & "XN"
 nipples below
 EOT @ 13228'

13231' - 13347' (36 holes), Morrow

Vann gun dropped to bottom

PBTD 13619'

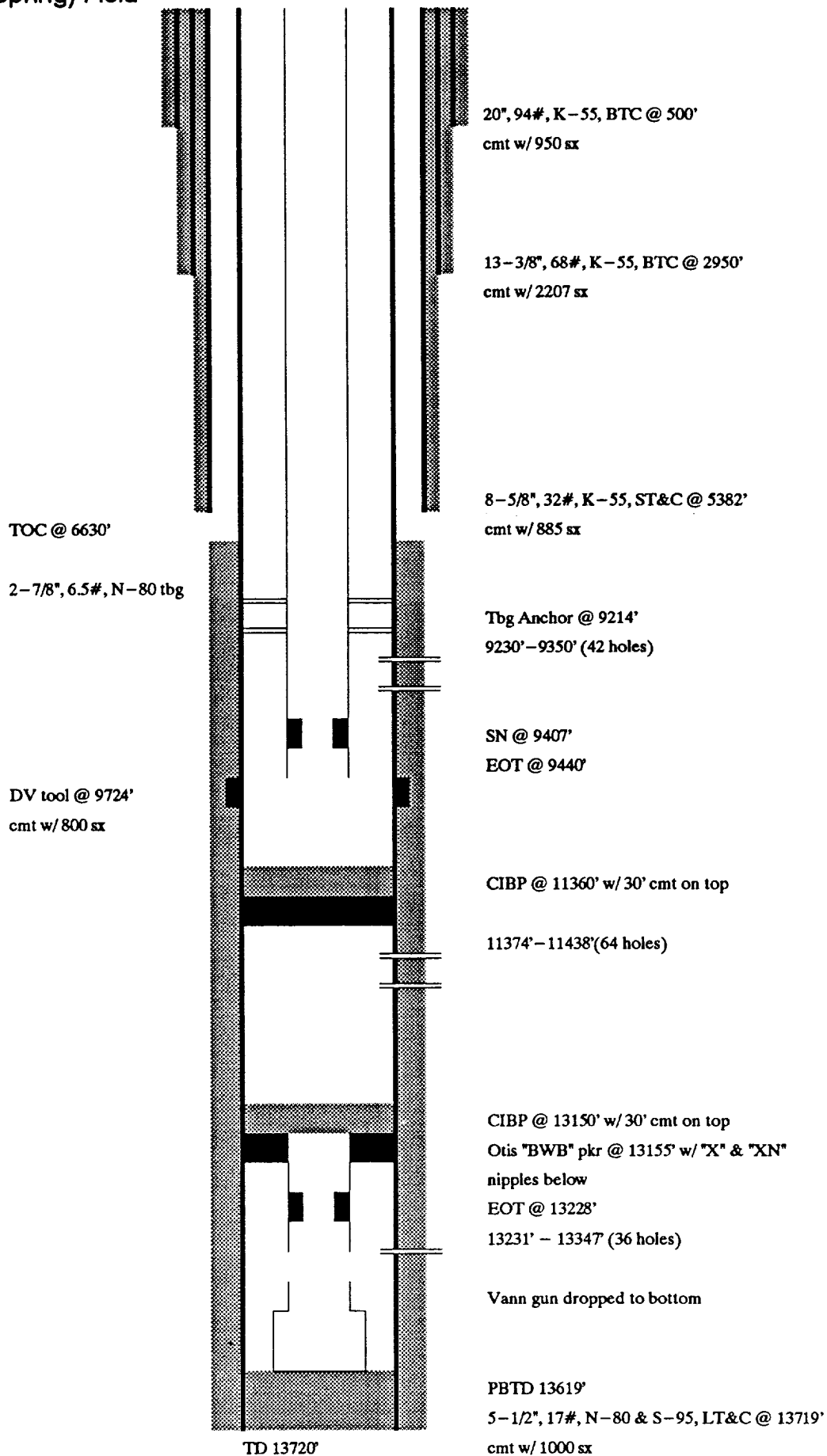
5-1/2", 17#, N-80 & S-95, LT&C @ 13719'
 cmt w/ 1000 sx

Scharbauer "4" #1
Gem (Bone Spring) Field
Lea Co., NM
JGC 11-10-93

Present

KB: 3574'

GL: 3556'



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

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Energy, Minerals and Natural Resources Department

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

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DISTRICT II
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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 Mitchell Energy Corporation			Lease Scharbauer "4"		Well No. 1
Unit Letter 0	Section 4	Township 20S	Range 33E	County NMPM	Lea
Actual Footage Location of Well: 660 feet from the south line and 1980 feet from the east line					
Ground level Elev. 3556	Producing Formation Yates/Seven Rivers	Pool West Teas (Yates/Seven Rivers)		Dedicated Acreage: 40 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
George Mullen
Printed Name
George Mullen
Position
Reg. Affairs Specialist
Company
Mitchell Energy Corp.
Date
November 23, 1993

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
09-15-92
Signature & Seal of
Professional Surveyor

Certificate No.
6290

