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

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

State of New Mexico
Energy, rals and Natural Resources Department

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

Form C-101
Revised 1-1-89

API NO. (assigned by OCD on New Wells) 30-015-20971

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 ☐

7. Lease Name or Unit Agreement Name
SAIK

2. Name of Operator
APACHE CORPORATION

8. Well No.
1

3. Address of Operator
2000 POST OAK BLVD., STE. 100, HOUSTON, TX 77056-4400

9. Pool name or Wildcat
~~S. CARLSBAD (MORROW)~~

4. Well Location
Unit Letter B : 990 Feet From The NORTH Line and 1980 Feet From The EAST Line

Section 17 Township 22S Range 27E NMPM EDDY County

10. Proposed Depth	11. Formation	12. Rotary or C.T.
10965	WOLFCAMP	ROTARY

13. Elevations (Show whether DF, RT, GR, etc.)	14. Kind & Status Plug. Bond	15. Drilling Contractor	16. Approx. Date Work will start
3122' GL			3/15/96

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
~~17-½"~~	~~13-3/8"~~	~~48#~~	~~358'~~	~~380SX~~	~~SURFACE~~
~~12-¼"~~	~~9-5/8"~~	~~36 & 40#~~	~~5360'~~	~~1150SX~~	~~1100'~~
~~8-3/4"~~	~~7"~~	~~23,26 & 29#~~	~~10500'~~	~~575 SX~~	~~7300'~~
6'	4-½" Liner	13.5	11,690'	180SX	10,392'

PLEASE SEE ATTACHED PROCEDURES.
RECOMPLETE TO LOWER WOLFCAMP.

RECEIVED
MAR 11 1996
OIL CON. DIV.
DIST. 2

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 Carolyn Huntoon TITLE ENG TECH DATE 2/28/96

TYPE OR PRINT NAME CAROLYN HUNTOON TELEPHONE NO. (713) 296-6240

(This space for State Use)
ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

APPROVED BY _____ TITLE _____ DATE MAR 12 1996

CONDITIONS OF APPROVAL, IF ANY:

SAIK #1

Procedure

1. Dig flare/testing pit.

2. MIRU pulling unit. Lay line to pit and blow well down. Load each string of tubing with 50 bbls of least expensive water available.

3. ND dual tree and NU 5M BOP equipped with offset 2-3/8" pipe rams on top and blind rams on bottom.

4. POOH and lay down the "short string" consisting of 328 joints 2-3/8" Armco Seal-Lok tubing.

5. Re-configure the pipe rams if necessary. Un-jay the "long string" from the Otis "PW" packer set @ 11,016'. POOH and lay down all subs and the first 54 joints. Stand back the remaining 302 joints.

6. RU WLS and run gauge-ring/junk basket sized for 4-1/2" 13.5#/ft. csg. (ID = 3.92"; Drift = 3.795") to 11,000'. Clean out with a 3-3/4" bit and casing scraper if necessary. Set CIBP @ 11,000' and dump bail 35 feet of neat cement per New Mexico Oil and Gas regulations.

7. Run gauge-ring/junk basket sized for 7" 29#/ft csg (ID = 6.184"; Drift = 6.059") to TOL @ 10,382'. Clean out with a 6" bit and casing scraper if necessary. Set a CIBP @ 10,375 and cap with 35 feet of neat cement. Set a second 7" CIBP @ 10,100' and cap with 35 feet of neat cement. Load hole with 2% KCl water and test plug to 500 psig.

8. RIH with 2-3/8" tubing to 9700'± and spot 450 gallons perforating acid from 9700'-9400'. POOH and stand back 9300'± tubing.

9. RU WLS lubricator on BOP and test to 2000 psig. RIH with 4" HSC csg. gun loaded with 2SPF @ 180° phasing. Perforate the Lower Wolfcamp as follows:

Intervals	# of feet	# of shots
9667-9713	46	92

Interval picked from Schlumberger TDT log dated 12/12/78.

Balance Conditions: Estimated to be 1500 psig underbalanced with 2% KCl in the well.

10. RIH with downhole production assembly as follows: wireline re-entry guide with aluminum pump-out plug in place, Otis 1.791 "N" nipple, 6 foot 2-3/8" 4.7#/ft. N-80 pup joint, Baker Retrieva D packer on setting tool. Set packer @ 9350'±. POOH with setting tool. Bleed off pressure to check plug.

11. RIH with remainder of 2-3/8" 4.7 #/ft. N-80 and anchor seal assembly. Tag packer and space-out. ND BOP, install tree and land tbg. into packer. Test annulus to 500 psig. Pressure tubing to expend plug.

12. Open well to pit and flow test. This zone in the Wolfcamp could be wet and therefore record accurate measurements of all fluids and catch adequate samples.

13. If necessary, acidize the zone with 4500 gallons 15% Fe acid plus additives and 100-7/8" 1.3 SP. gr. RCN ball sealers. Do not exceed 5000 psig surface treating pressure. Open well to pit and flow/swab test. Catch samples as requested.

14. If zone tests wet, ND tree and NU BOP. POOH with tubing. RIH with retrieving tool on tubing and retrieve packer. RU WLS and set CIBP @ 9650' and cap with 35' neat cement.

15. Repeat step #8, except spot 300 gallons perforating acid from 9500'-9300'.

16. Repeat step #9 except perforate the Lower Wolfcamp @ 9434-9444'.

17. Repeat step #10.

18. Open well to pit and flow test.

19. If necessary, acidize zone with 1000 gallons 15% Fe Acid plus additives and 30-7/8" 1.3 sp. gr. RCN ball sealers. Do not exceed 5000 psig surface treating pressure. Open well to pit and recover treatment load.

Prepared by: Jerry W. Davis

Approved by: W M Cavenaugh