

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
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

WELL API NO.

30-025-04242

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

ALASKA COOPER

1. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

2. Name of Operator

ORYX ENERGY COMPANY

3. Address of Operator

P.O. BOX 2880, DALLAS, TX 75221-2880

8. Well No.

4

9. Pool name or Wildcat

EUMONT YATES 7 RIVERS

ON

4. Well Location

Unit Letter H : 1980 Feet From The NORTH Line and 660 Feet From The WEST Line
County

Section 12

Township 20

Range 37E 34

NMPM LEA

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3565 GL

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: CO2 FRAC PERFS ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

ADD ADDITIONAL PERFS TO EXISTING ZONE.
PERFORM CO2 FRAC.

SEE ATTACHED WORKOVER PROCEDURE AND WELLBORE SKETCH.

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

SIGNATURE

Rod L. Bailey

TITLE PRORATION ANALYST

DATE 03/23/95

TYPE OR PRINT NAME ROD L. BAILEY

TELEPHONE NO. 214 715-4828

(This space for State Use)

ORIGINAL SIGNED BY **JERRY SEXTON**
DISTRICT I SUPERVISOR

APPROVED BY

TITLE

DATE

MAR 31 1995

CONDITIONS OF APPROVAL, IF ANY:

WELL NAME: ALASKA COOPER #4
FIELD: MONUMENT
LOCATION: 660' FWL & 1980' FNL, SEC 12, T20S-R37E
LEA COUNTY, NEW MEXICO

Permanent Zero Point: ZERO = KB = 3' AGL

PBTD: CTBP @ 3662'

Casing Size, Weight, Depth: 5-1/2" 15# @ 3585'

Retainer: NONE

Packer Type & Depth: 5-1/2" X 2-3/8" @ 2868'

Tubing Size, Weight, Type, Depth: 2-3/8" 4.7# J-55 @ 2868'

TOC: SURF

Log:

Perfs (Formation & Depth): SEVEN RIVERS (2958-68', 2984-96, 3063-73')

. QUEEN (3122-40', 3151-77')

. PENROSE (3235-76', 3282-3306, 3316-22, 3326-32, 3360-90')

1. MIRU RIG. PUMP 5 BBLs 2% KCL + BACTERIACIDE + FOAMER DOWN TBG. RD WELLHEAD. RU BOPS POOH W/TBG AND PKR.
2. RU EL. RIH AND PERF W/4" CSG GUN @ 4 SPF THE FOLLOWING INTERVALS CORRELATED TO LANE WELLS GR/NEUTRON DATED 5-4-54.
 - A. 7 RIVERS: 2958-68', 2984-96, 3006-3020, 3040-50, 3063-73, 3075-3088, 3095-3105, 3115-20, 3122-40, 3151-77 (114' NET/ 219' GROSS)
 - B. QUEEN/PENROSE: 3235-76', 3282-3306, 3316-22, 3326-32, 3360-90' (155' GROSS, 107' NET).
3. PU AND RIH W/5-1/2" BAKER LOCKSET PKR (ID-1.99"), HARDENED 'F' NIPPLE, ON-OFF TOOL (ID-1.87"), AND 2-3/8" BLAST JOINT (ID-1.99"), 300' 2-3/8" ON 3-1/2" WORKSTRING (INTERNALLY TEST WORKSTRING TO 7000#). SET AT 3200'.
4. RU HOWCO. MI 500 BBL FRAC TANKS. RU FOR FLOWBACK. INSTALL FRAC VALVE ON TOP. TEST LINES TO 7000 PSI.

5. FRAC QUEEN/PENROSE AS FOLLOWS:

STAGE	WHTP	SLURRY VOL (GALS)	CO ₂ VOL (BBLS)	CONCEN (PPG)	TOTAL (LBS)
1	4368	23887	355	0	0
2	3898	8673	87	1-4	19756
3	4009	29724	221	4-8	142859
4	4009	6663	42	8	40000
5		0	21	0	

(NOTE: ALASKA COOPER #3 QUEEN/PENROSE FRAC MAX PRS = 5800#/ MIN PRS = 4600#/ AVG PRS = 5340#/ AVG RATE = 32.5 BPM.)

6. FLUSH W/CO₂. FLOW WELL BACK IMMEDIATELY TO PIT FOR 24 HOURS.
7. RU WL. RIH AND SET BAKER 'FWG' PLUG IN 'F' NIPPLE. POOH. J-OFF ON-OFF TOOL. POOH W/WS.
8. RIH W/RBP. SET RBP AT 2945'. FILL ANNULUS W/2% KCL AND TEST CASING TO 3500 PSI. RELEASE RBP. RIH AND SET AT 3190'. POOH. NOTE: 90% BURST FOR 5-1/2", 15.5# = 4329 PSI.
9. RU HOWCO AS PER STEP 4. INSTALL WELLHEAD ISOLATION TOOL. RETEST LINES TO 5000 PSI.
10. FRAC SEVEN RIVERS DOWN CASING AS FOLLOWS:

STAGE	WHTP	SLURRY VOL (GALS)	CO ₂ VOL (BBLS)	CONCEN (PPG)	TOTAL (LBS)
1	1820	10500	444	0	0
2	1507	4898	91	1-4	19756
3	1312	20184	231	4-8	142859
4	1212	4877	43	8	40000
5		0	18	0	0

(NOTE: ALASKA COOPER #3 7-RIVERS FRAC MAX PRS = 3407#/ AVG PRS = 2750#, AVG RATE = 31 BPM.)

11. FLUSH WELL W/CO₂. FLOW WELL BACK IMMEDIATELY TO PIT FOR 24 HRS.
12. RU W/L. RIH AND TAG FILL. POOH.
13. STRIP IN HOLE W/OVERSOT AND 'F' NIPPLE W/CHECK VALVE. RU AIR UNIT, CIRC, SAND FILL UP ANNULUS AT HIGH RATE. LATCH RBP. POOH.

NOTE: A. IF NECESSARY, SLUG TBG W/5 BBLS 2% KCL + BACTERIACIDE + FOAMER TO

- B. DIVERT GAS TO PIT VIA ANNULAR VALVE. POOH W/STRIPPING RUBBER.
CLOSE BLIND RAMS AFTER PULLING PKR ABOVE BOPS.
14. STRIP IN HOLE W/ON-OFF TOOL AND 'F' NIPPLE W/CHECK VALVE. PUMP 5 BBLS 2% KCL ON TOP OF PKR BEFORE LATCHING ON-OFF TOOL TO REMOVE DEBRIS. LATCH PACKER. RU WL. RIH AND PULL CHECK VALVE. RIH AND PULL 'FWG' PLUG. RD WL. FLOWBACK FOR 16-24 HOURS.
 15. RU WL. RIH W/CHECK VALVE AND SET IN 'F' NIPPLE. RELEASE PACKER, POH, LD WS. REPEAT STEPS 13 (A) AND (B) AS NECESSARY.
 16. RIH W/2-3/8" PRODUCTION STRING W/CHECK VALVE LOCATED IN SEATING NIPPLE. RU AIR UNIT. CIRC SAND FILL UP ANNULUS AT HIGH RATE. CLEAN OUT TO APPROX 100' BELOW BOTTOM PERF.
 17. PU TBG. SEAT TO TOP PERF @ 2958'. HANG OFF. ND BOPS/NU TREE. RIH AND PULL CHECK VALVE IN SEATING NIPPLE. RDMO RIG. RTP.

WELL COMPLETION SKETCHES SUN-5036-4-A

WELL
Cooper Alaska #4

FIELD
MONTICENT

DATE
11-11-93

☒ PRESENT COMPLETION

☒ SUGGESTED COMPLETION

DATA ON THIS COMPLETION

PERMANENT WELL BORE DATA

Zero = KB = 3' AGL

SQZ 200 SKS (110-42, 446-571)

17" Hole

13-3/4" 48# @ 276'

w/ 175 SKS CIP

TOC @ 337' CIP

12 1/4" Hole

SQZ 250 SKS (2321-600')

9-5/8" 36# @ 2393'

w/ 600 SKS

8-3/4" Hole

SQZ 250 SKS @ 3285'

5 1/2" 15# @ 3525'

w/ 325 SKS CIP

TOC CIP @ 3412'

7" CIP @ 3662'

7" 24# @ 3790' w/ 70 SKS

6 1/4" Hole

2-3/8" 4.7# J-55 @ 2260'

2 3/8" x 5 1/2" PKR @ 2868'

Seven Rivers (2958-3073')

Queen (3122-3177')

Pinkie (3235-3390')

PRTD = 3662'

OH GRAY 3073-3890'

PRTA = 3790'

WELL COMPLETION SKETCHES SUN-5036-4-A

WELL Alaska Cooper #4 FIELD Monument. DATE 3-20-95

☐ PRESENT COMPLETION

☒ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

zero = KB - 3' AGL

(2" sqd. w/ 200 SXS. Fr.)
110-42, 448-571'

13 3/8", 48# @ 276'
(Cmt'd w/ 175 SXS. Circ.)

TOC @ 837' (calcd)

2" sqd w/ 250 SXS.
fr. 2381-600'

9 5/8", 36# @ 2393'
(Cmt'd w/ 600 SXS.)

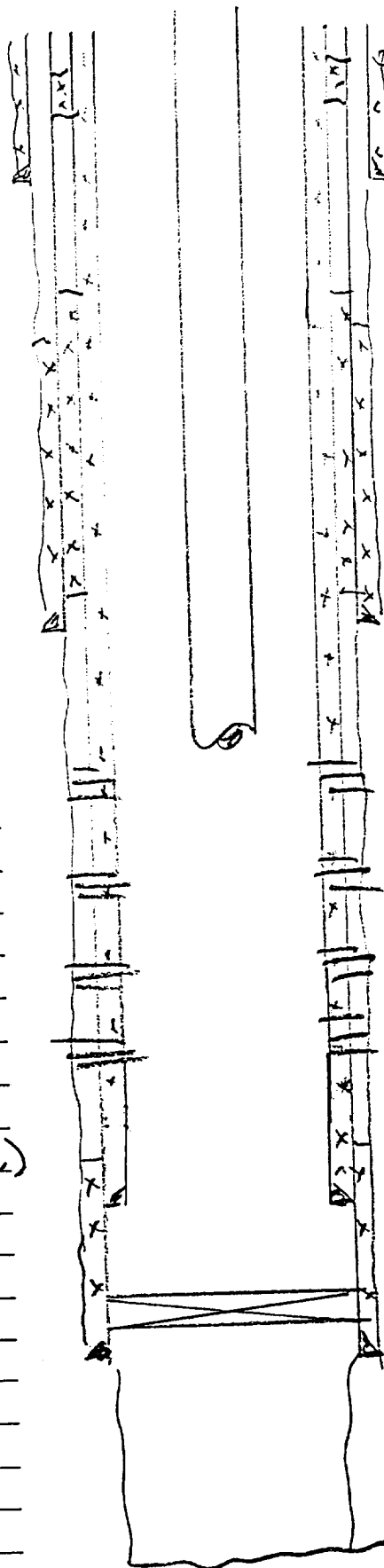
TOC @ 3412' (calcd)

5 1/2", 15# @ 3585'
w/ 325 SXS Circ

2", 24# @ 3790'
Cmt'd w/ 70 SXS.

6 1/4"

TD = 3890'



DATA ON THIS COMPLETION

2 3/8", 4.7#, 5.55 @
2958'

7 Rivers - 2958-68,
84-96, 3006-20, 40-50,
63-73, 75-88, 95-105,
3115-20, 22-40, 51-77.

@ 4 spf

Queen / Penrose - 3235-76,
82-306, 3316-22, 26-32,
60-90, @ 4 spf.

7" CIBP @ 3662'

OH Grayberg Fr.
3790-3890'

RECEIVED

1965
FBI
OFFICE