

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
OCT 2002 RECEIVED
OCD - ARTESIA

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address MURCHISON OIL & GAS, INC. 1100 MIRA VISTA BLVD. PLANO, TX. 75093-4698		² OGRID Number 015363
		³ API Number 30 - 015 - 32479
³ Property Code 008132	⁵ Property Name OGDEN STATE	⁶ Well No. 4

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	25S	26E		660	SOUTH	1250	EAST	EDDY

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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⁹ Proposed Pool 1

WHITE CITY PENN

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3379' GL
¹⁶ Multiple N	¹⁷ Proposed Depth 11600	¹⁸ Formation MORROW	¹⁹ Contractor GREY WOLF	²⁰ Spud Date 11/15/02

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	61 #/FT	270'	300	SURFACE
12-1/4"	9-5/8"	36 #/FT	1930'	600	SURFACE
8-3/4"	7-5/8"	33&38 #/FT	8750'	900	1200'
6-1/2"	5-1/2"	17 #/FT	8450'-11600'	400	8450 (TOP OF LINER)

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

DRILL, CASE AND COMPLETE WELL IN MORROW FORMATION

BOP's INCLUDE: 1) **HYDRILL DOUBLE RAM 11" x 3000 PSI**
2) **DOUBLE RAM 11" X 5000 PSI**
3) **CHOKE MANIFOLD 4" x 5000 PSI FLANGED CONNECTION**
4) **SIX STATION ACCUMULATOR CLOSING UNIT w/ REMOTE CONTROL**

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Michael S. Daugherty</i>		Approved by: ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR	
Printed name: MICHAEL S. DAUGHERTY		Title:	
Title: VICE PRESIDENT OPERATIONS		Approval Date: OCT 21 2002	Expiration Date: OCT 21 2003
Date: 10/17/02	Phone: (972) 931-0700	Conditions of Approval:	
		Attached ☐	

District I
1625 N. Franch Dr. Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, N M 87505

Form C-102

Revised March 17, 1999
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 87280	Pool Name WHITE CITY PENN
Property Code 008132	Property Name OGDEN STATE	Well Number 4
OGRID No. 015363	Operation Name MURCHISON OIL & GAS, INC.	Elevation 3379

Surface Location

UL or Lot No. P	Section 2	Township 25-S	Range 26-E	Lot Idn.	Feet from the 660	North/South line SOUTH	Feet from the 1250	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SPACING UNIT OGDEN ST #1 1650 FNL & 1650 FWL OGDEN ST 2E 1650 FNL & 1650 FWL EXISTING WELLS OGDEN ST #3 1650 FSL & 1650 FWL PROPOSED WELL 1250' 660'	OPERATOR CERTIFICATION I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature <i>Michael S. Daugherty</i> Printed Name MICHAEL S. DAUGHERTY Title VICE PRESIDENT OPERATIONS Date 10/17/02
	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. OCTOBER 14, 2002 Date of Survey
	Signature and Seal of Professional Surveyor <i>Dan R. Reddy</i> DAN R. REDDY NEW MEXICO REGISTERED PROFESSIONAL ENGINEER No. 15412
	Certificate Number PROFESSIONAL ENGINEER

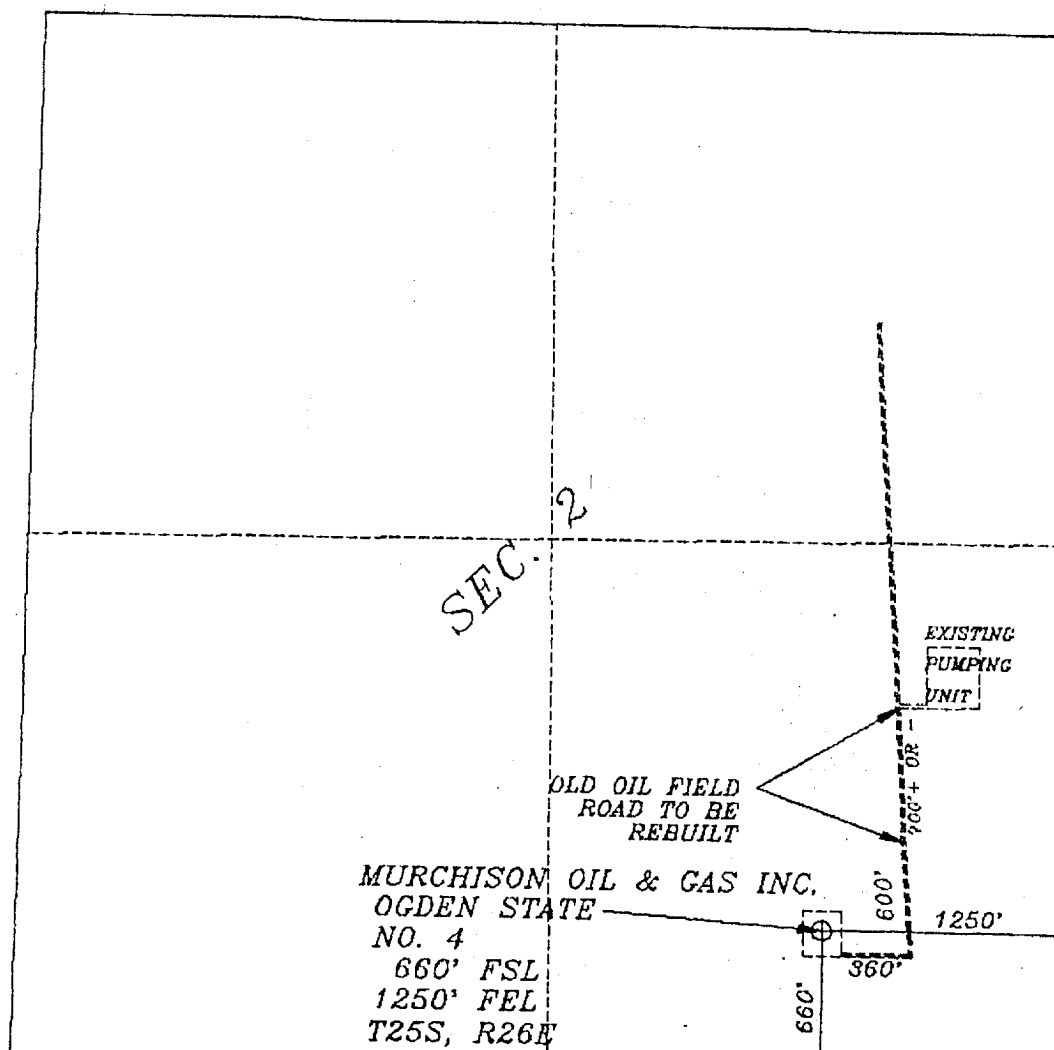
MURCHISON OIL & GAS, INC.

**OGDEN STATE #4
SEC. 2, T25S, R26E
660' FSL & 1250' FEL
EDDY CO., NM.**

MUD PROGRAM

<u>DEPTH</u>	<u>WEIGHT</u>	<u>VISCOSITY</u>	<u>FILTRATE</u>
0' – 270'	8.3 – 8.9	32 – 36	NO CONTROL
270' – 1,930'	8.4 – 10.0	28 – 29	NO CONTROL
1,930' – 8,750'	8.4 – 9.0	28 – 29	NO CONTROL
8,750' – 11,000'	8.4 – 10.0	28 – 29	NO CONTROL
11,000' – 11,600'	9.0 – 13.0	38 – 48	6 – 8 WL
PH to be maintained below 10			

ACCESS ROAD SKETCH



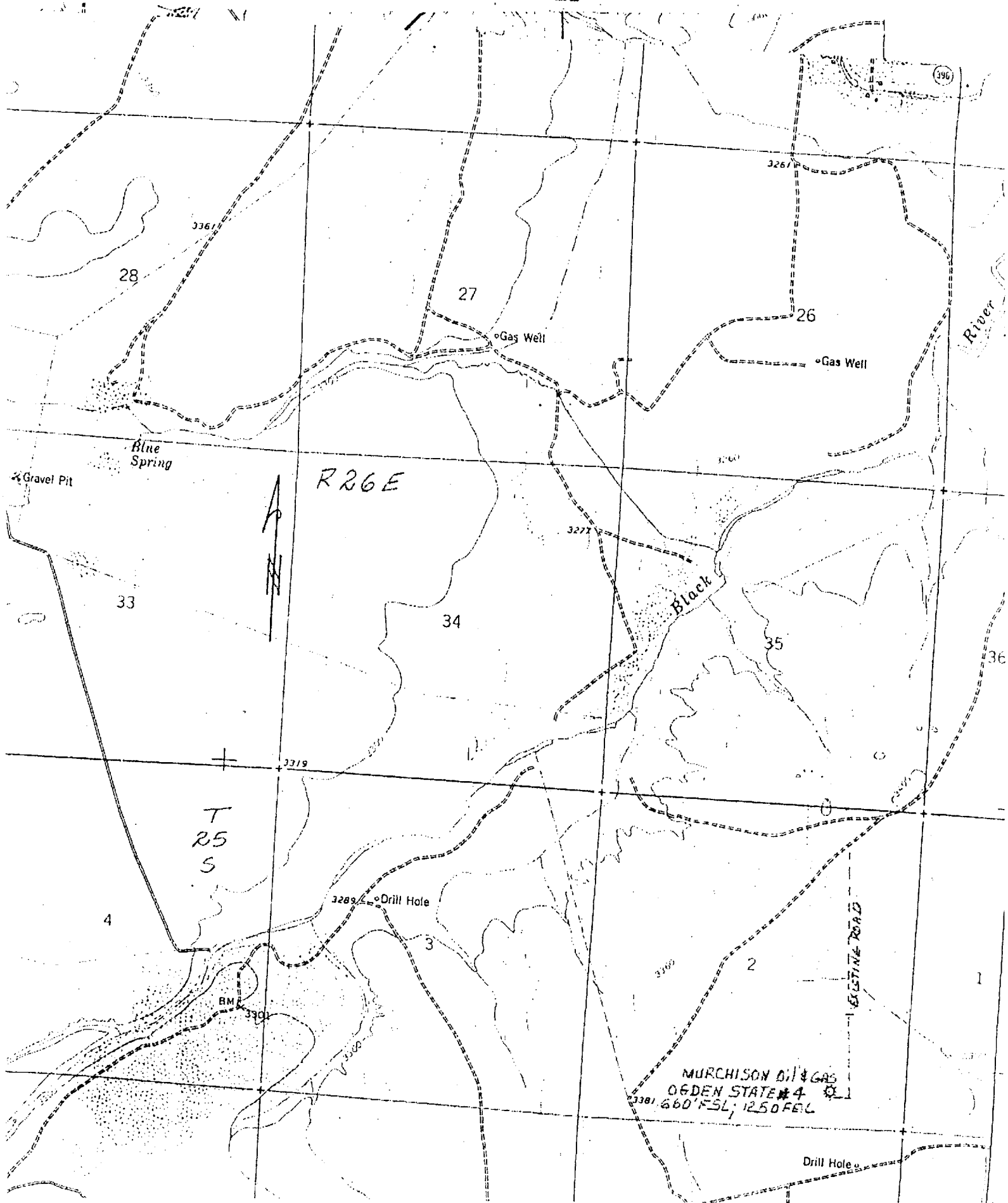
Scale 1" = 1000 ft

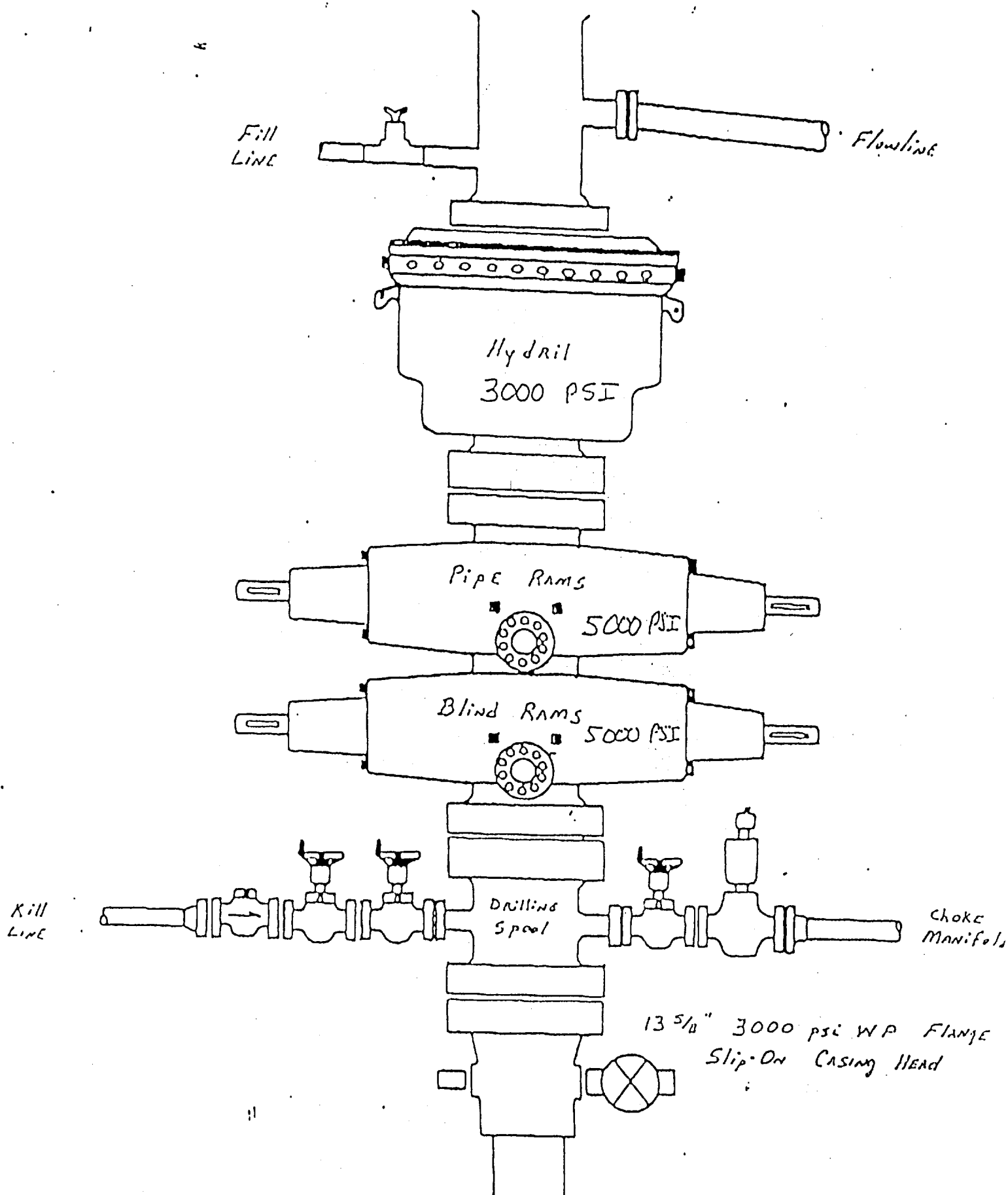
PREPARED BY: DAN R. REDDY NM PE&PS
OCTOBER 14, 2002

BLACK RIVER VILLAGE QUADRANGLE

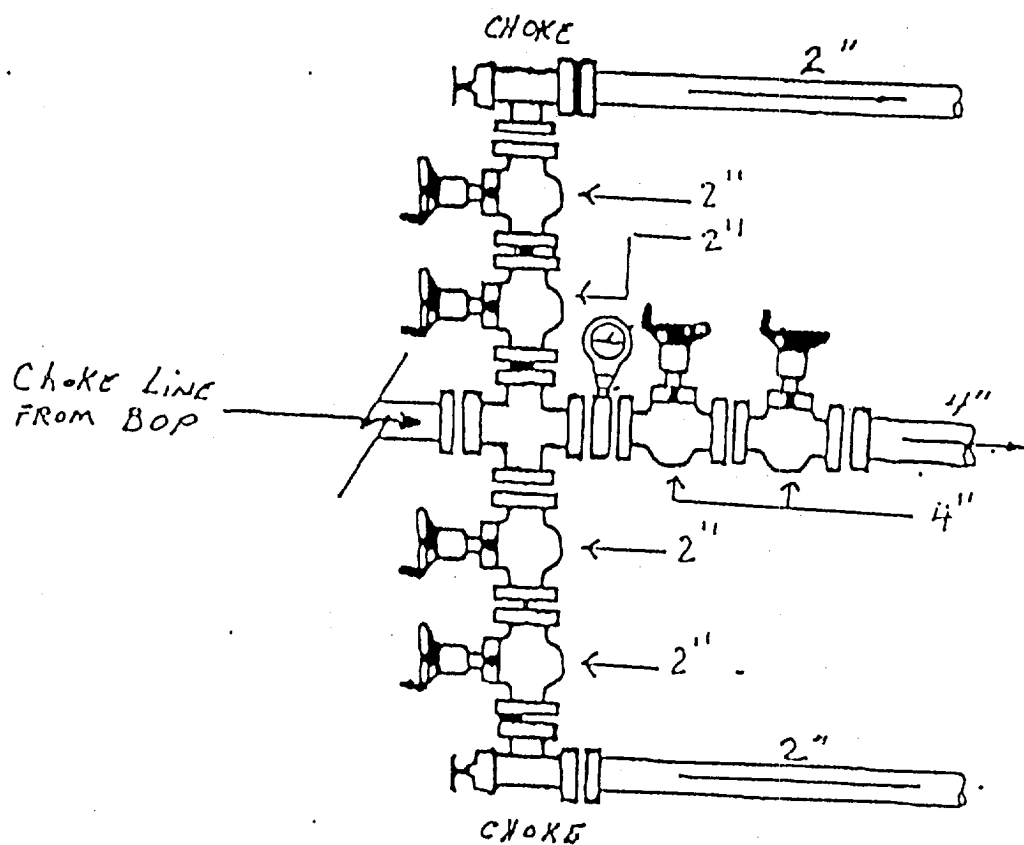
1" = 2000'

CONTOUR INTERVAL ~ 20'





OGDEN STATE #4
660' FSL & 1250' FEL
SEC. 2, T25S, R26E
EDDY CO., NM.



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