

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

Form C-101
Revised March 17, 1999

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 Read & Stevens, Inc. P. O. Box 1518 Roswell, New Mexico 88202		² OGRID Number 018917
³ Property Code 27169	⁴ Property Name Liberty 4	⁵ API Number 30-025-36164
		⁶ Well No. 3

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
E	4	20S	36E		2310	North	660	West	Lea

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

⁹ Proposed Pool 1

Wildcat Bone Spring

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3463'
¹⁶ Multiple No	¹⁷ Proposed Depth 7,200'	¹⁸ Formation Bone Spring	¹⁹ Contractor Patterson	²⁰ Spud Date ASAP

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"	54.5#	400'	400	Surface
11	8 5/8"	32#	3,000'	600	Tie Back
7 7/8"	5 1/2"	17#	7,200'	550	Tie Back

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.

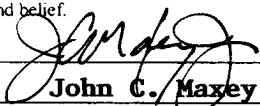

Describe the blowout prevention program, if any. Use additional sheets if necessary.

Depth	MW	Vis	WL	Type
0' - 400'	8.4	28	-	FW
400' - 3,000'	10	28	-	Brine
3,000' - 6,800'	8.4	28	-	FW
6,800' - 7,200'	8.6	28	10	FW Gel

RU 500 psi BOPE on 13 3/8" casing.

RU 3000 psi BOPE on 8 5/8" surface casing.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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: 		Approved by: 	
Printed name: John C. Maxey, Jr.		Title: PETROLEUM ENGINEER	
Title: Operations Manager		Approval Date: FEB 21 2003	Expiration Date:
Date: 2-13-03	Phone: 505/622-3770	Conditions of Approval: Attached <input type="checkbox"/>	

TIMBER//SHARP DRILLING

B.O.P. Equipment Intended for use on Rig # _____

Well To Be drilled for _____

- * All S.O.P equipment is H2S Trim'
- * All Accumulators are Koomer Type-80 : Dual Power Electric/Air'
- * Choke Manifold: * See sheet 2
- 4" Valves : Cameron FFC, Shaffer DB Hydraulic
- 2" Check Valve: Cameron Type R
- 2" Valves : Cameron or Shaffer

Annular Shaffer Type: Spherical

Annular PSI: 3000

(If Shaffer: Spherical . If Hydriil: Type GK)

BOP Type Shaffer LWS

(If Shaffer: LWS or SL If Cameron: Type U)

BOP Size: 13⁵/₈ " - 5000 PSI

Rotating Head Type 3rd

Rot-Head Furnished By IMSE

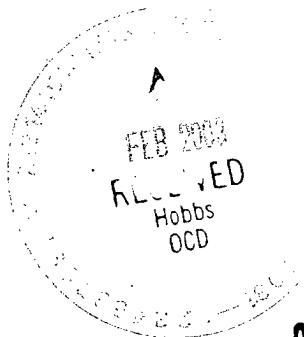
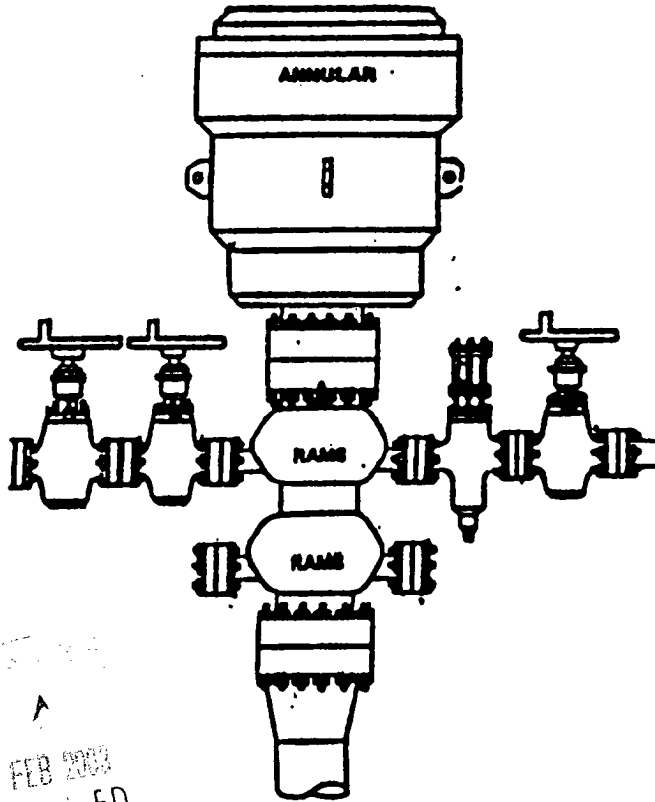
Rams in top gate: 4 1/2 pipe

Rams in bottom: Blinds

Side Outlets used:

Bottom X Top

4" Valves on Tee



B.O.P. Equipment Intended for use on Rig #

Well To Be drilled for _____

' All Values (H28) '

Choke Manifold:

Pressure Rating 3,000 or 5,000 (as Req.)

1 - 4" Valves

2 - 2" Valves

2 - 2" Adjustable Chokes

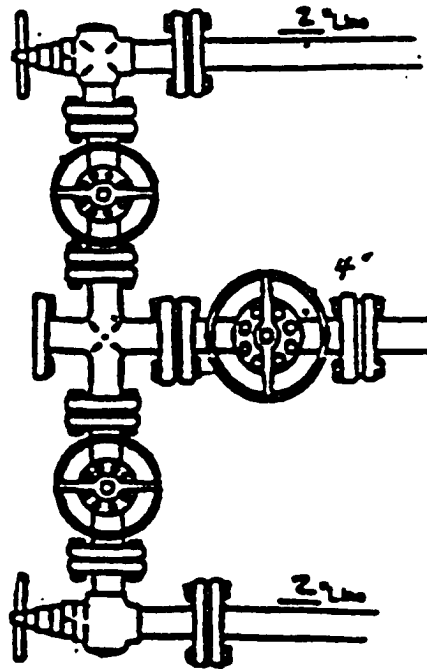
Valve Types Used:

Cameron - F or FC

Shaffer - B Floseal

WKM - type 2

Chokes - Cameron H2 or TC unibolt



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State of New Mexico

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-36164		² Pool Code ✓	³ Pool Name Wildcat Bone Spring
⁴ Property Code 27169	⁵ Property Name LIBERTY "4"		⁶ Well Number 3
⁷ OGRID No. 018917	⁸ Operator Name READ & STEVENS, INC.		⁹ Elevation 3630'

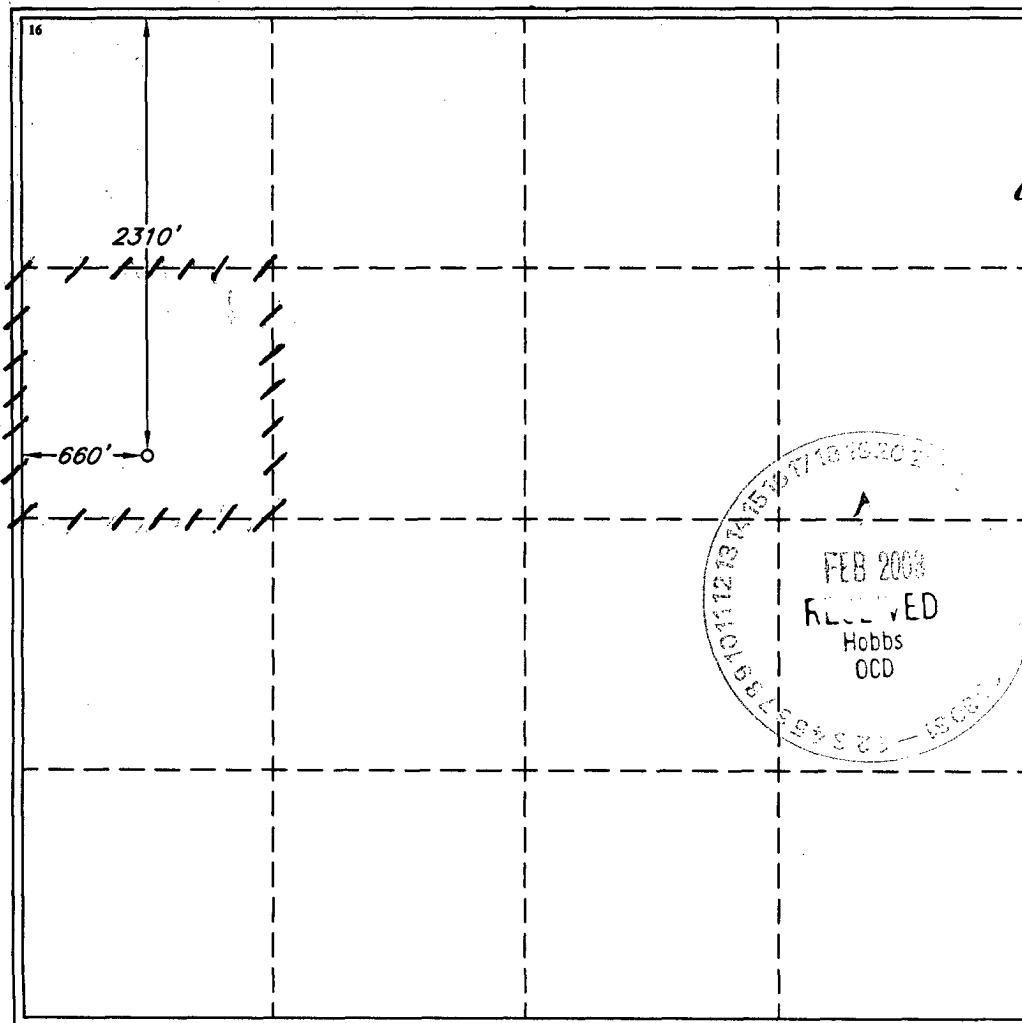
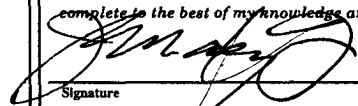
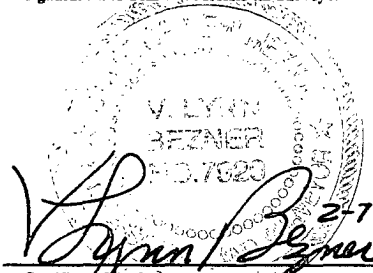
¹⁰ Surface Location

UL or lot no. E	Section 4	Township 20 SOUTH	Range 36 EAST, N.M.P.M.	Lot Idn	Feet from the 2310'	North/South line NORTH	Feet from the 660'	East/West line WEST	County LEA
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¹¹ 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
¹² Dedicated Acres 40	¹³ Joint or Infill N	¹⁴ Consolidation Code	¹⁵ Order No.						

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

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature John C. Maxey, Jr. Printed Name Operations Manager Title 2-13-03 Date
	¹⁸ 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 belief. FEBRUARY 5, 2003 Date of Survey Signature and Seal of Professional Surveyor  2-7-03 Certificate Number V. L. BEZNER R.P.S. #7920 JOB #85929 / 71 SE / J.C.P.