

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
May 27, 2004

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

RECEIVED

Submit to appropriate District Office

MAY 31 2006

☐ AMENDED REPORT

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

¹ Operator Name and Address Samson Resources Company Two West Second Street Tulsa, OK 74103		² OGRID Number 20165
³ Property Code 35769	³ Property Name Eddy GF State Com	³ API Number 30 - 015 - 22378
⁹ Proposed Pool 1 Carlsbad, Morrow, South		¹⁰ Proposed Pool 2 Carlsbad, Atoka, South
		¹¹ Proposed Pool 3 Forehand Ranch; Wolfcamp

⁷ Surface Location

UL or lot no. K	Section 16	Township 23 South	Range 27 East	Lot Idn	Feet from the 1980'	North/South line South	Feet from the 1980	East/West line West	County Eddy
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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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Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code Gas	¹³ Cable/Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3142
¹⁶ Multiple y	¹⁷ Proposed Depth 12,287'	¹⁸ Formation Morrow	¹⁹ Contractor	²⁰ Spud Date ASAP
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____bbls Drilling Method: _____				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
SAME AS ORIGINAL WELL					

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.

We plan to re-enter the previously plugged wellbore (API # 30-015-22378) and drill out plugs and wash down to the top of stub at approximately 7400'. clean out and attempt to establish production. Attached for your review is a copy of the procedure, BOP diagram and C-102. We plan for the W/2 of Section 16 (standup 320) be dedicated to this well (all 3 proposed pools). There are two State of New Mexico Lease Numbers V-6376 (covering N/2 of Section 16) & V-6404 (covering S/2 of Section 16).

If you have any questions concerning this procedure, please contact Kenneth Krawietz at (432) 683-7063 or email kkrwietz@samson.com

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐. NO PIT - CLOSED SYSTEM

Printed name: Brad P. Hargrove

Title: Senior Landman

E-mail Address: bhargrove@samson.com

Date: 5/30/06

Phone: (918) 583-1791

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARANT

Title:

DISTRICT II GEOLOGIST

Approval Date: JUN 19 2006

Expiration Date: JUN 19 2007

Conditions of Approval Attached ☐

**MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION - LAT**

Form C-102
Supersedes C-128
Effective 14-65

All distances must be from the outer boundaries of the Section

Operator Samson Resources Company			Lease Eddy G. F. State Com		Well No. 2
Section K	Range 16	Township 23 South	Range 27 East	County Eddy	
1980 feet from the South line and			1980 feet from the West line		
Ground Elev. 3142.2	Producing Formation S. Carlsbad Morrow		Pool Morrow	Dedicated Acreage: 320 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 interests 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 interests, has been approved by the Commission.

CERTIFICATION

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

Brad P. Hargrove

Brad P. Hargrove

Senior Landman

Samson Resources Company

5/30/06

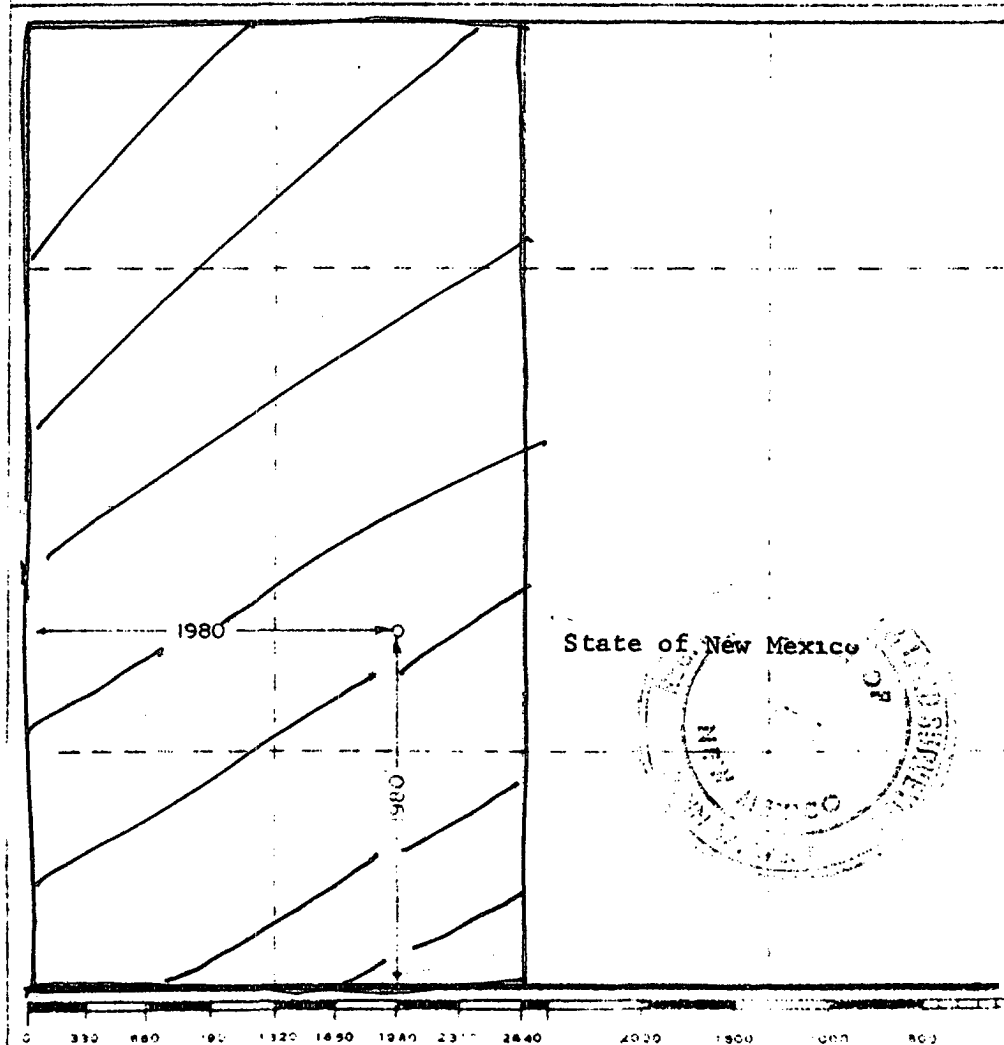
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Dec. 2, 1977

Signature of Registered Professional Surveyor

John W. West

675



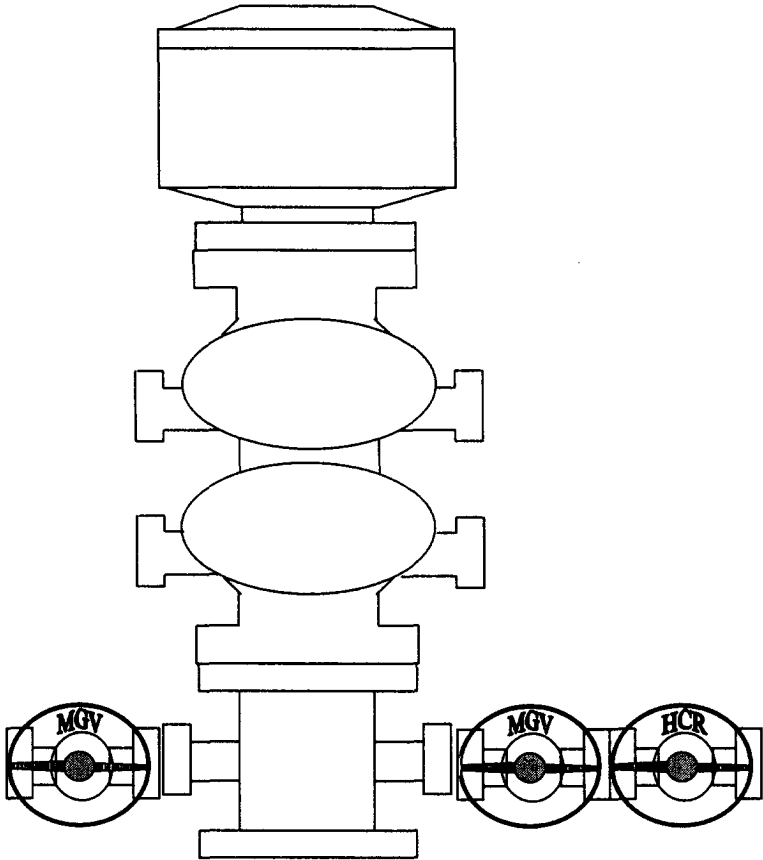
Com
Eddy GF State #2
5000 psi SRRA BOP

Annular

Blind Ram

Pipe Ram

Spool



To 5000 psi choke manifold

WELL: EDDY GF STATE #2
FIELD: Carlsbad South (Morrow)



10 sx.

40 sx @ 450'

Tag @ 2335'

50 sx @ 2450

40 sx @ 5500'

Tag plug @ 7367'

40 sx @ 7502'

25 sx @ 8990'

25 sx @ 11430'

CIBP @ 11928'
w/ 40' cmt cap

TD 12,287'

13-3/8" 48# H-40 STC @ 404'
Cmtd to surf w/ 400 sx.

9-5/8" 40# S-95 LTC @ 2398'
Cmtd w/ 1100 sx. TOC 1110' TS
1" to surf w/ 450 sx.

10 ppg mud

Casing stub @ approximately 7400'. Exact depth unknown

TOC 7920 TS

Morrow perms 12054 - 58

Morrow perms 12083 - 85

Morrow perms 12184 - 88

5 1/2" 17# N-80 & K-55 LTC @ 12297'
Cmtd w/ 1450 sx.
TOC 7920 TS

API # 30-015-22378

Surf Loc: 1980' FSL 1980' FWL Sec 16 T23S R27E

Eddy Co., New Mexico

Elev: GL 3140', KB 3157' (RKB 17')

Spud: 1978

P & A: 1997

Formation Tops

Delaware	2100
Bone Spring	2302
Wolfcamp	8911
Strawn	10837
Atoka	11928'
Morrow	11617

Total overall 23 holes

Acidized w/ 6000 gal 7.5% NEFE



Samson Plaza
Two West Second Street
Tulsa, Oklahoma 74103-3103
USA
918/591-1791
Fax 918/591-1796

RECEIVED
MAY 31 2006
JULIA WATSON

FEDERAL EXPRESS

May 30, 2006

Mr. Tim Gum
State of New Mexico OCD
1301 West Grand Avenue
Artesia, NM 88210

Re: Well Re-Entry Permit Request
Eddy GF State Com #2
Section 16, T-23-S, R-27-E
Eddy County, New Mexico

Dear Mr. Gum:

Enclosed please find three (3) copies of a C-101 & C-102 for re-entry of the subject well. If you have any questions concerning this operation, please contact Kenneth Krawietz at (432) 683-7063. All other questions may be directed to the undersigned at (918) 591-1939.

Expedited review and approval of said operation would be greatly appreciated.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Brad P. Hargrove'.

Brad P. Hargrove
Senior Landman

Enclosures