



Lone Star Oil & Gas

A Texas Corporation

Tel 915/686-9390

Fax 915/684-3710

P. O. Box 2735 • Midland, Texas 79702

17 June 1997

Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505
Attn: Michael E. Stogner

Re: Rule 111 Application
Section 14-16S-38E
Lea County, New Mexico

Gentlemen:

Lone Star Oil & Gas, Inc. hereby respectfully requests approval to drill a directional well in Section 14-16S-38E of Lea County, New Mexico on or before 15 July 1997. As our bottom hole location may be deemed as being non-standard, Lone Star Oil & Gas, Inc. respectfully requests likewise approval by the Commission in this regard.

Lone Star Oil & Gas, Inc. is making this request because a wellbore previously drilled by Marathon Oil Company, the J. Benson #1 depicted on the enclosed plat, may be re-entered and sidetracked to attempt to extend the North Knowles-Devonian oil pool. All of the surface and intermediate casing was left in the Benson #1 well, enabling us to make use of the first 5000' of the wellbore at a substantial cost savings.

Enclosed please find the required plat, a vertically oriented plan view and horizontal plan view, type log section, and evidence of notification of offset operators.

Very truly yours,

LONE STAR OIL & GAS, INC.

Mark L. Branum

MB/mac
enclosure

[illegible]

District I
PO Box 1980, Hobbs, NM 88241-1980
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 Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-10:
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office.
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 30-025-29787		2 Pool Code 36330		3 Pool Name North Knowles - Devonian	
4 Property Code		5 Property Name J. Benson			6 Well Number 1
7 OGRID No. 161485		8 Operator Name Lone Star Oil & Gas, Inc.			9 Elevation 3698'

10 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	14	16-S	38-E		330	South	990	East	Lea

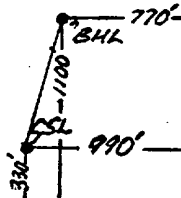
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	16-S	38-E		1100	South	770	East	Lea

12 Dedicated Acres 80	13 Joint or Infill N	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature _____ Printed Name Mark L. Branum Title Vice-President Date 6-17-97
				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. Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Plat/Note Number _____





SEC 14 16S-38F

14-16-38

P 14-16-38
Marathon Oil Company
Reason #1

[illegible]

REPRODUCED BY
Petroleum Information

NIDLAND, TEXAS 79701

REFERENCE Y 9183G



* 3.9.32.61 *

29 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

API NO. 30-025-29787

~~UNIVERSITY SURFACE LIBRARY®~~
P.O. BOX 2500

P. O. BOX 2538

MIDLAND TEXAS 79702

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REMARKS

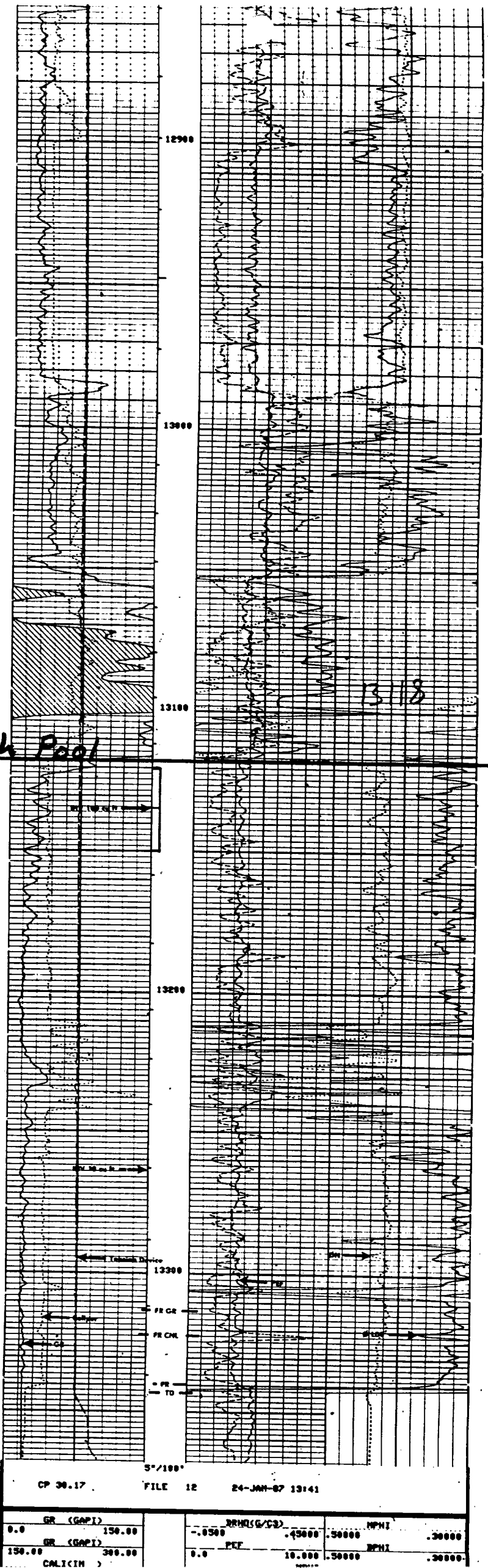


REPRODUCTION FOR RESALE IN WHOLE OR PART PROHIBITED

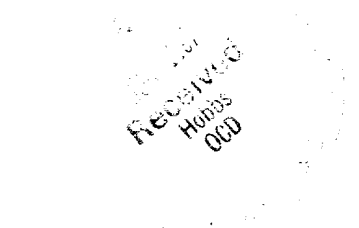
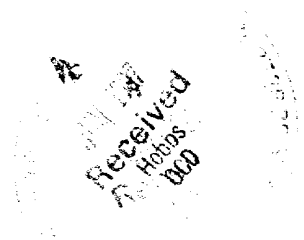
All Interpretations are opinions based on information from observed or other measurements and the expert, and do not guarantee the accuracy or correctness of any Interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or costs of litigation or expenses by anyone resulting from any Interpretation made by any of our officers, agents or employees. These Interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

[illegible]

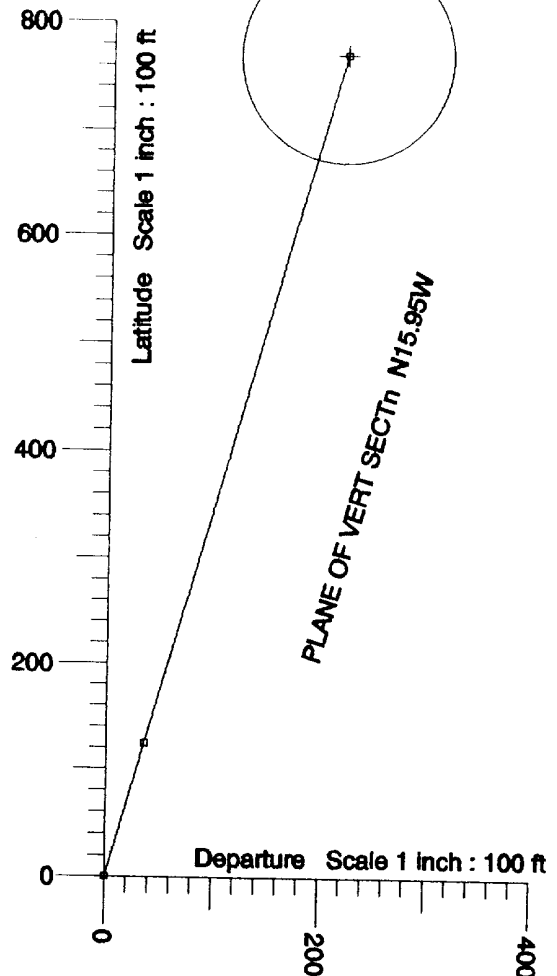
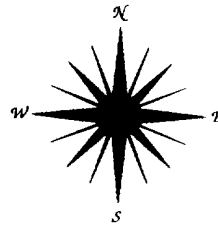
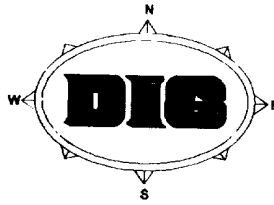
TOP Knowles Devonian North Pool



GR (GAPI)		BRH (G/G)		NPHI	
0.0	150.00	-0.0500	.45000	.50000	.30000
GR (GAPI)		PEF		NPHI	
150.00	300.00	0.0	10.000	.50000	.30000
CAL (IN)					



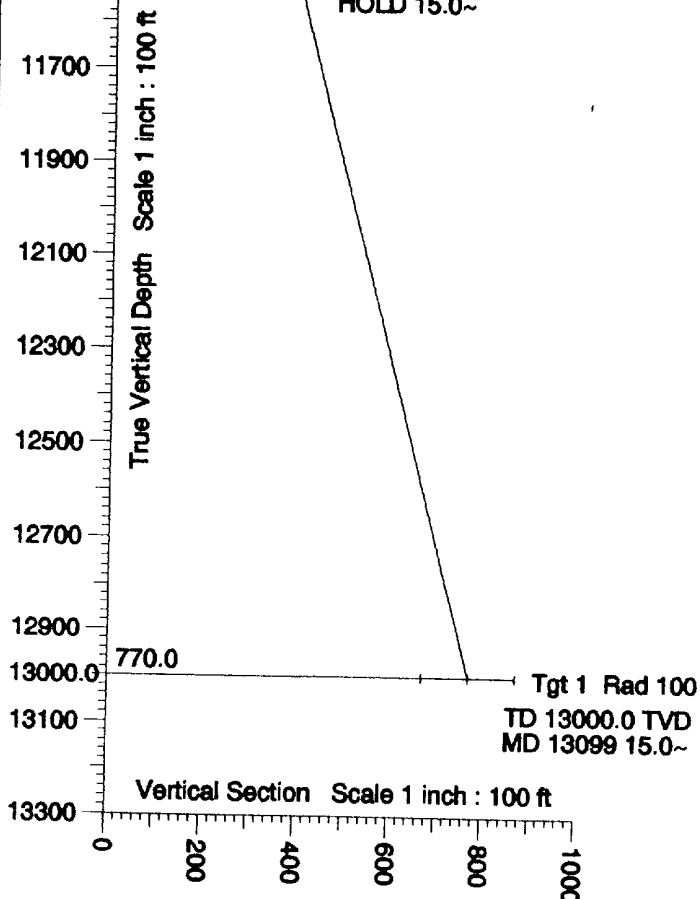
KOP Br 1.5~/100
MD 9500.0~



**LONE STAR OIL & GAS
BENSON #1
LEA COUNTY, NEW MEXICO**

WELL PROPOSAL						
MD	TVD	VS	INC	DIR	LAT	DEP
9500.0	9500.0	0.0	0.0	N15 57E	0.0	0.0
10496.8	10485.5	129.3	15.0	N15 57E	124.3	35.5
13099.4	13000.0	800.8	15.0	N15 57E	770.0	220.1

TARGET DETAILS			
No	TVD	Lat	Dep
1	13000.0	770.0	220.1



PLOT DATE 06-11-1997

BENSON BENSON #1 6-11-97
Plane of Vertical Section 15.95

Section 1 (Const Dogleg)

MD	Inc	Dir	Tvd	Vsec	Lat	Dep	Values to be applied			
							Build	Turn	Dleg	T Face
9500.0	0.00	15.95	9500.0	0.0	0.0	0.0	1.5	0.0	1.5	0.0
9600.0	1.50	15.95	9600.0	1.3	1.3	0.4	1.5	0.0	1.5	0.0
9800.0	4.50	15.95	9799.7	11.8	11.3	3.2	1.5	0.0	1.5	0.0
10000.0	7.50	15.95	9998.6	32.7	31.4	9.0	1.5	0.0	1.5	0.0
10200.0	10.50	15.95	10196.1	64.0	61.5	17.6	1.5	0.0	1.5	0.0
10400.0	13.50	15.95	10391.7	105.5	101.5	29.0	1.5	0.0	1.5	0.0

Section 2 (Hold Section)

MD	Inc	Dir	Tvd	Vsec	Lat	Dep	Values to be applied			
							Build	Turn	Dleg	T Face
10496.8	14.95	15.95	10485.5	129.3	124.3	35.5	0.0	0.0	0.0	0.0
10600.0	14.95	15.95	10585.2	156.0	149.9	42.9	0.0	0.0	0.0	0.0
10800.0	14.95	15.95	10778.5	207.6	199.6	57.0	0.0	0.0	0.0	0.0
11000.0	14.95	15.95	10971.7	259.2	249.2	71.2	0.0	0.0	0.0	0.0
11200.0	14.95	15.95	11164.9	310.8	298.8	85.4	0.0	0.0	0.0	0.0
11400.0	14.95	15.95	11358.1	362.4	348.4	99.6	0.0	0.0	0.0	0.0
11600.0	14.95	15.95	11551.4	414.0	398.0	113.8	0.0	0.0	0.0	0.0
11800.0	14.95	15.95	11744.6	465.6	447.6	127.9	0.0	0.0	0.0	0.0
12000.0	14.95	15.95	11937.8	517.2	497.3	142.1	0.0	0.0	0.0	0.0
12200.0	14.95	15.95	12131.1	568.8	546.9	156.3	0.0	0.0	0.0	0.0
12400.0	14.95	15.95	12324.3	620.4	596.5	170.5	0.0	0.0	0.0	0.0
12600.0	14.95	15.95	12517.5	672.0	646.1	184.7	0.0	0.0	0.0	0.0
12800.0	14.95	15.95	12710.7	723.6	695.7	198.8	0.0	0.0	0.0	0.0
13000.0	14.95	15.95	12904.0	775.2	745.3	213.0	0.0	0.0	0.0	0.0
13099.4	14.95	15.95	13000.0	800.8	770.0	220.1	0.0	0.0	0.0	0.0



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REENTRY & DRILLING PROGNOSIS LONE STAR OIL & GAS BENSON #1

1. Repair road and location as necessary, dig reserve pit, line reserve pit and dig out surface casing with backhoe.
2. Drill rat, mouse, necessary septic holes and top cement plug with rathole machine.
3. Weld on 13-3/8" sow x 13-5/8" 3M csg. head, set slips on 9-5/8" csg. and install 13-5/8" 3M x 11" 3M spool.
4. Move in and rig up drilling rig.
5. Drill out cement plugs @ 270', 2500', 4070' and dress plug @ 6277' to +/-6300'.
6. Run gyro survey from 6300' to surface to determine BHL.
7. Spot +/-200 sx of Class "H" cement mixed @ 17.5 - 18.0 ppg. from 6300' to 6050'.
8. Dress cement plug to +/-6100'.
9. Run 6-1/2" high speed mud motor and diamond bit to sidetrack wellbore.
10. Drill 8-3/4" hole to +/-9500' with conventional drilling assembly and a monel drill collar. Take singleshot surveys to determine BHL.
11. Begin mud up of fresh water mud system @ +/-9000'. Maintain weight @ 8.6 - 9.0 ppg. 36 - 40 vis. and 12 - 15 cc. water loss.
12. At +/-9500', run 6-1/2" slow speed mud motor and steering tool. Build angle at 1-1/2 deg./100' to 14 deg. in a north direction. The end of the build section will be +/-10,400'. Hold 14 deg. angle to TD at 13,000' TVD for 750' displacement. Monitor angle and direction with singleshot surveys.
13. Run steerable system and steering tool should any angle or direction corrections have to be made.
14. Run DST to evaluate the Devonian.
15. Run GR-OIL log.



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P. O. Box 2735 • Midland, Texas 79702

17 June 1997

Marathon Oil Company
125 West Missouri
Midland, Texas 79701

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Re: Rule 111 Application
Section 14-16S-38E
Lea County, New Mexico

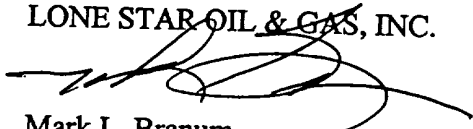
Gentlemen:

Notice is hereby given of our intent to reenter the J. Benson #1 well located in the captioned section and directionally drill a well to the Devonian formation as shown on the enclosed application.

If you have an objection, it must be filed in writing within twenty (20) days of the above date.

Very truly yours,

LONE STAR OIL & GAS, INC.


Mark L. Branum

MB/mac
enclosure





Lone Star Oil & Gas

A Texas Corporation

Tel 915/686-9390

Fax 915/684-3710

P. O. Box 2735 • Midland, Texas 79702

17 June 1997

Christensen Petroleum, Inc.
P.O. Box 3790
Midland, Texas 79702

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Re: Rule 111 Application
Section 14-16S-38E
Lea County, New Mexico

Gentlemen:

Notice is hereby given of our intent to reenter the J. Benson #1 well located in the captioned section and directionally drill a well to the Devonian formation as shown on the enclosed application.

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