

121938923 NSL

**PRIMAL ENERGY
CORPORATION**

211 HIGHLAND CROSS, SUITE 227
HOUSTON, TEXAS 77073
281-821-5600
281-821-5602 fax

GE

JUL - 6 2001

CONSERVATION DIV.

July 3, 2001

State of New Mexico
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Att: Michael Stogner

Dear Sir:

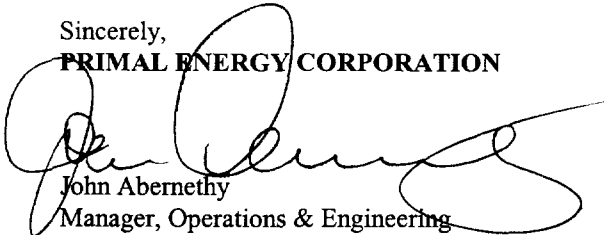
Primal Energy Corporation as current operator of the Knowles #1, Sec. 1, 16S, 38E, Lea County, requests that the attached be made a part of our previous application for an unorthodox well location.

This application is necessary due to the condition of the current borehole. The well will be directionally drilled to a location that will give better porosity without sacrificing structure.

Please review this application and if further information is needed, please call.

Sincerely,

PRIMAL ENERGY CORPORATION

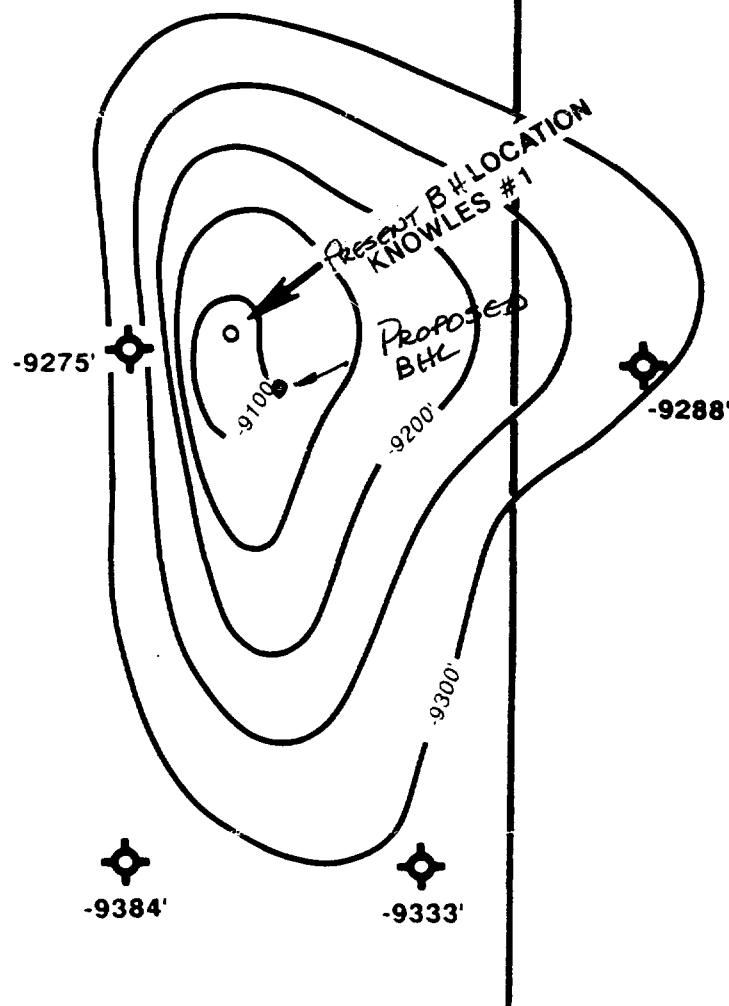

John Abernethy
Manager, Operations & Engineering

R-38-E

1

R-39-E

T
16
S



GEOLOGICAL PLAT DEVONIAN STRUCTURE

PROPOSED LOCATION
LEA COUNTY, NEW MEX.

1"=1000'

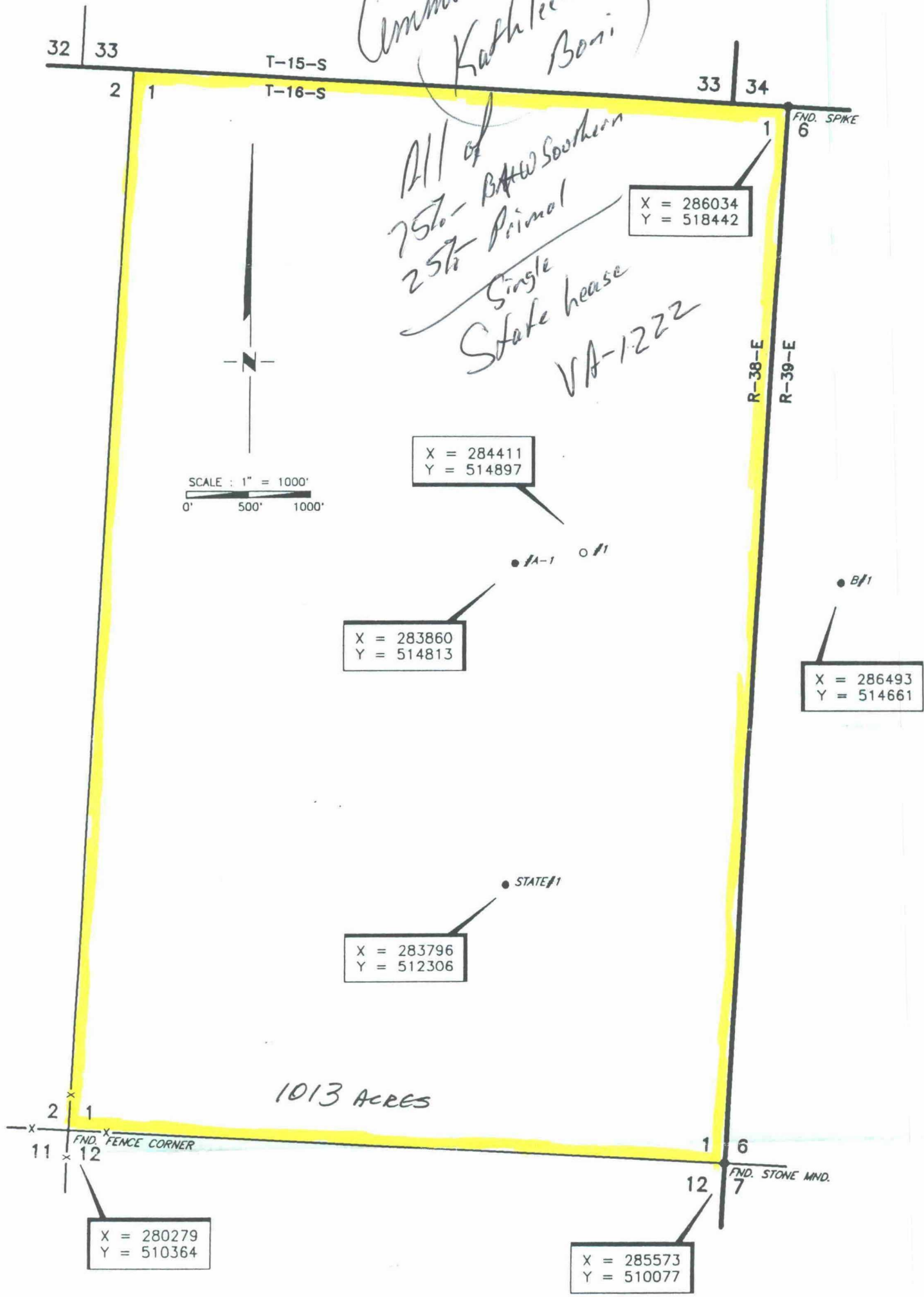
CI=50'

PLAT SHOWING X AND Y COORDINATES FOR
EXISTING WELLS AND LOCATIONS IN
SECTION 1, T-16-S, R-38-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

Phone Conversation
8-6-01

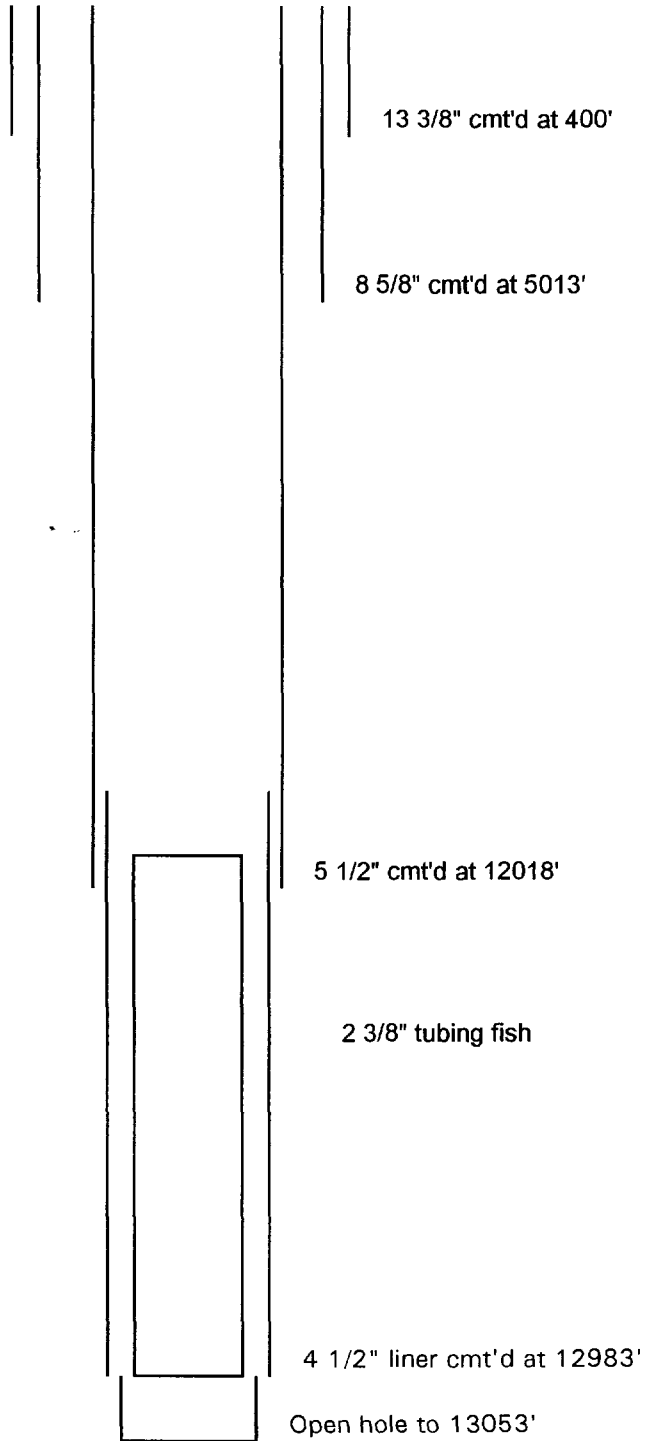
Common Owner
Kathleen
Borri

All of
75% - B&W Southern
25% - Primal
Single
State lease
VA-1222

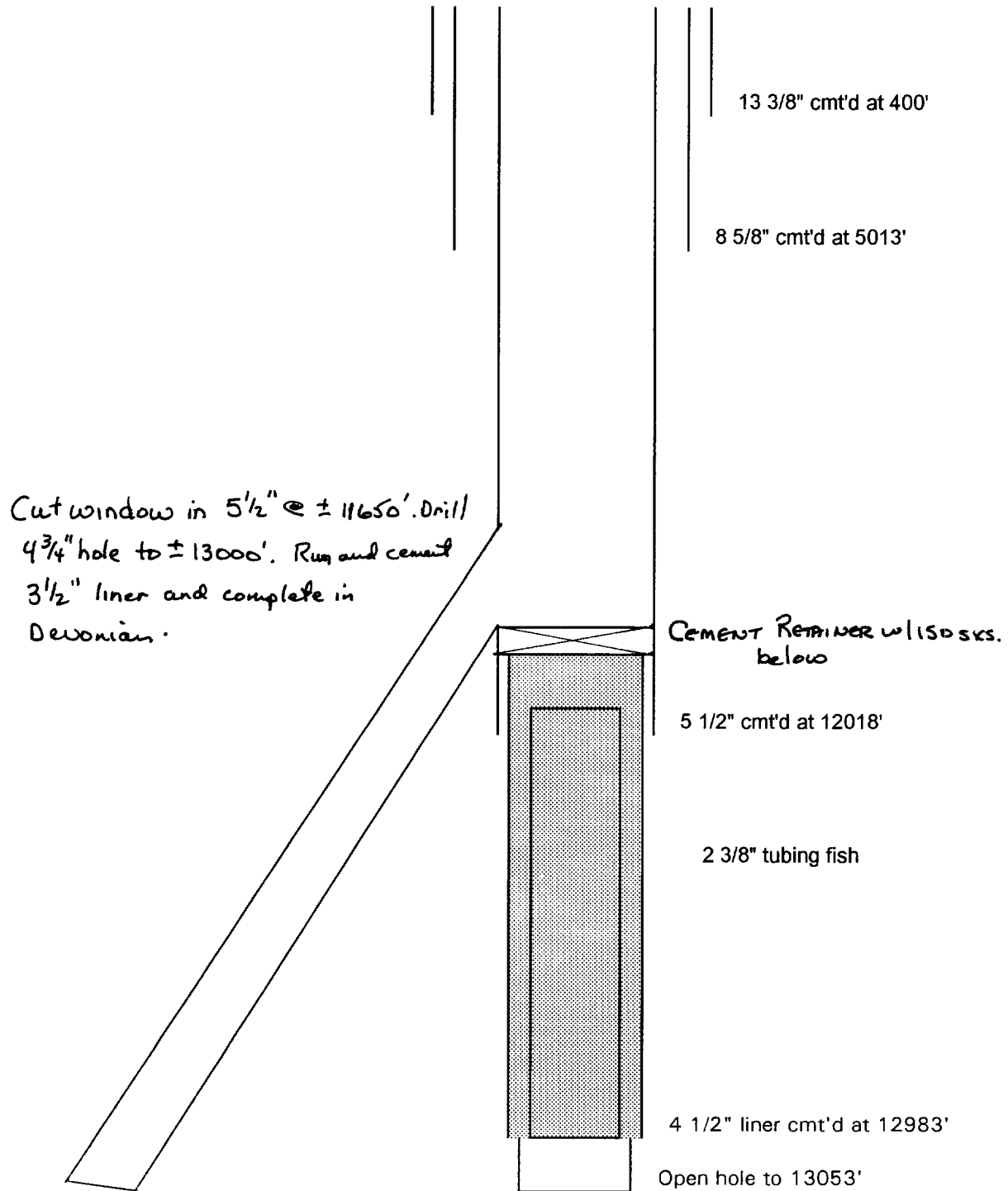


				PRIMAL ENERGY CORPORATION Houston, Texas	SCALE: AS SHOWN
					DATE: OCTOBER 29-1995
NO.	REVISION	DATE	BY	<i>SURVEYING AND MAPPING BY</i> TOPOGRAPHIC LAND SURVEYORS <i>MIDLAND TEXAS</i>	JOB NO.: 41721-2
SURVEYED BY:		S.M.			95 NE
DRAWN BY:		V.H.B.			
APPROVED BY:		V.I.R.			
					SHEET 1 OF 1

Knowles #1
Lea CO., NM
Present Wellbore Schematic



Knowles #1
Lea CO., NM
Proposed Wellbore Schematic



PRIMAL ENERGY CORPORATION

211 HIGHLAND CROSS, SUITE 227
HOUSTON, TEXAS 77073
281-821-5600
281-821-5602 fax

RECEIVED
JUN 22 2001

June 19, 2001

State of New Mexico
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Att: Michael Stogner

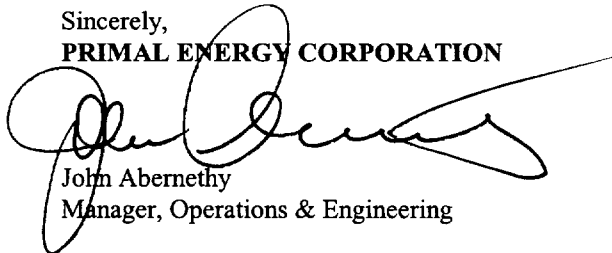
Dear Sir:

Primal Energy Corporation as current operator of the Knowles #1, Sec. 1, 16S, 38E, Lea County, requests an amendment to previously approved unorthodox oil well location (Case #11415, Order # R-10509).

The well was originally drilled in 1996. During drilling operations a DST string was lost which resulted in the well having to be side tracked. Recently, we attempted to clean out the well to improve production and found that the 4 ½" production liner was damaged beyond repair. We find it now necessary to cut a window in the 5 ½" casing and sidetrack the well. This proposal will result in a new bottom hole location as shown on the attached C-102.

Please review this application and if further information is needed, please call.

Sincerely,
PRIMAL ENERGY CORPORATION



John Abernethy
Manager, Operations & Engineering

Submit 3 Copies

to Appropriate

District Office

DISTRICT I

PO Box 1980, Hobbs, NM 88241-1980

DISTRICT II

PO Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103

Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO 30-025-33177
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-1222
7. Lease Name or Unit Agreement Name Knowles
8. Well No. 1
9. Pool name or Wildcat Southeast Denton - Devonian

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.)	
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator Primal Energy Corporation	
3. Address of Operator 211 Highland Cross, Suite #227, Houston, TX 77073	
4. Well Location Unit Letter <u>J</u> <u>3627</u> Feet From The <u>N</u> Line and <u>1425</u> Feet From The <u>E</u> Line Section <u>1</u> Township <u>16S</u> Range <u>38E</u> NMPM <u>Lea</u> County 10 Elevation (Show whether DF, RKB, RT, GR, etc.) 3717' GR	

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG & ABANDONMENT ☐
CASING TEST & 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.

1. Pulled production string from hole on 5/4/2001.
2. Washed over tubing fish and retrieved 1 1/2 joints tubing.
3. Scale inside and outside made further fishing impossible.
4. Shut well in; evaluating for possible side track.

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

SIGNATURE  TITLE Manager, Operations and Engineering

DATE 05/08/01

TYPE OR PRINT NAME John Abernethy

TELEPHONE NO. 281-821-5600

(This space for State Use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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 -101

Revised October 18, 1994

Instructions on back

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. Primal Energy Corporation 211 Highland Cross, Suite #227 Houston, TX 77073		² OGRID Number 142316
		³ API Number 30-025-33177
⁴ Property Code 17759	⁵ Property Name Knowles	⁶ Well No. 1

⁷Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	N/S Line	Feet from the	E/W Line	County
J	1	16S	38E	10	3,627	N	1,425	E	Lea

⁸Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	N/S Line	Feet from the	E/W Line	County
I	1	16S	38E	9	3,940	N	1,246	E	Lea

⁹ Proposed Pool 1 Southeast Denton-Devonian	¹⁰ Proposed Pool 2
---	-------------------------------

¹¹ Work Type Code D	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3,717'
¹⁶ Multiple N	¹⁷ Proposed Depth 13,100'	¹⁸ Formation Devonian	¹⁹ Contractor Basic	²⁰ Spud Date 6/18/01

²¹ Proposed Casing and Cementing Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
	13 3/8"	Existing			
	8 5/8"	Existing			
	5 1/2"	Existing			
4 3/4"	3 1/2"	9.2 ppf	13'100' MD	130 sx.	11,150' TOL

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Set retainer in 5 1/2" at 11,685' and squeeze existing perforations and liner with 150 sx.
2. Set whipstock and mill window in 5 1/2" at 11,650'.
3. Directionally drill to proposed new bottom hole.
4. Run and cement 3 1/2" liner and complete in Devonian.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

John Abernethy

Title:

Mgr. Oper. & Eng.

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

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-102
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 API Number 30-025-33177	² Pool Code 96644	³ Pool Name Southeast Denton-Devonian
⁴ Property Code 17759	⁵ Property Name Knowles	⁶ Well Number 1
⁷ OGRID No. # 142316	⁸ Operator Name Primal Energy Corporation	⁹ Elevation 3,717'

¹⁰ Surface Location

UL or lot no. J	Section 1	Township 16S	Range 38E	Lot Idn 10	Feet from the 3,627	North/South Line N	Feet from the 1,425	East/West Line E	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. I	Section 1	Township 16S	Range 38E	Lot Idn 9	Feet from the 3,940	North/South Line N	Feet from the 1,246	East/West Line E	County Lea
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¹² Dedicated Acres 40.0	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 A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

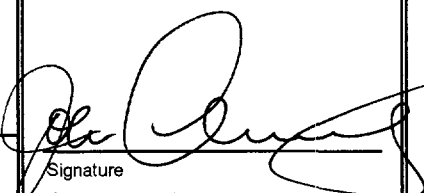
¹⁶										¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature John Abernethy Printed Name Manager, Operations & Engineering Title 6/8/01 Date
										¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from fieldnotes 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
										Certificate Number

Diagram labels: 3,627', 3,940', Surface Location, BHL, 1,425', 1,246'

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 11415
ORDER NO. R-10509

APPLICATION OF BROWNING OIL COMPANY, INC. FOR AN UNORTHODOX
OIL WELL LOCATION, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on November 2, 1995, in Roswell, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 7th day of November, 1995, the Division Director, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Browning Oil Company, Inc., seeks approval of an unorthodox oil well location for its Knowles Well No. 1 to be drilled 3627 feet from the North line and 1425 feet from the East line (Lot 10/Unit J) of irregular Section 1, Township 16 South, Range 38 East, NMPM, to test the Devonian formation, Lea County, New Mexico.

(3) The proposed well location is not within one mile of any designated Devonian pool and is therefore classified as a "wildcat oil well" and is subject to the Division's Statewide Rules and Regulations which require standard 40-acre spacing and proration units with wells to be located no closer than 330 feet from the outer boundary of the spacing unit.

(4) Lot 10 of said Section 1 is to be dedicated to said well to form a standard 40-acre oil spacing and proration unit.

(5) This case was styled such that in the absence of objection this case would be taken under advisement.

(6) No appearances were made in this case at the time of the hearing.

(7) All acreage offsetting the proposed 40-acre tract is within the same State lease (New Mexico State Land Office Oil and Gas Lease No. VA-1222) as the subject tract. Therefore, pursuant to Division Rule 1207.A(5), no notice was required by the applicant to any offset operator and/or interest owner in this case.

(8) The applicant submitted a geological interpretation based upon well control and surface seismic data of the Devonian formation in the immediate area which indicates that a well drilled at the proposed unorthodox location should penetrate a small localized structure within the Devonian formation at a more advantageous position than a well drilled at a standard oil well location within the subject 40-acre tract, thereby increasing the likelihood of obtaining commercial production.

(9) Approval of this application will afford the applicant the opportunity to test for and, if successful, produce its just and equitable share of the oil in the Devonian formation, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The application of Browning Oil Company, Inc. to drill its Knowles Well No. 1 at an unorthodox oil well location 3627 feet from the North line and 1425 feet from the East line (Lot 10/Unit J) of irregular Section 1, Township 16 South, Range 38 East, NMPM, in order to adequately test the Devonian formation, Lea County, New Mexico, is hereby approved.

(2) Lot 10 of said Section 1 shall be dedicated to said well forming a standard 40-acre oil spacing and proration unit.

(3) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

July 31, 2001

Lori Wrotenbery
Director
Oil Conservation Division

Primal Energy Corporation
211 Highland Cross - Suite 227
Houston, Texas 77073

Attention: John Abernethy

Re: *Administrative application for a subsurface well location exception for Primal Energy Corporation's Knowles Well No. 1 (API No. 30-025-33177) at an unorthodox bottomhole oil well location 3940' FNL & 1246' FEL (Lot 9/Unit I) of irregular Section 1, Township 16 South, Range 38 East, NMPM, Southeast Denton-Devonian Pool, Lea County, New Mexico.*

Dear Mr. Abernethy:

I have reviewed the information provided me on June 22 and July 6, 2001, which was submitted as Primal's request for an unorthodox subsurface Devonian oil well location within a 40-acre oil spacing and proration unit comprising Lot 9 (Unit I) of Section 1.

Our preliminary review indicates that the information provided in the application is not sufficient to process an administrative order. Please provide proof of notice per Division Rule 1207.A (2) or satisfactory explanation as to why notice is not necessary in this instance.

Thank you for your cooperation in this matter.

Sincerely

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division – Hobbs

OIL CONSERVATION DIVISION

TELEPHONE LOG

COMPANY NAME: Primal Energy Corporation

PROPERTY NAME: Knowles Well No. 1

RESPONSIBLE OFFICIAL: John Abernethy

APPLICATION NUMBER: NA

NAME OF ENGINEER: John

DATE CALLED: 8-6-01

TIME CALLED: _____

NOTES:

Talked w/ Kathleen Birni

VA-1222 comprised of Sec. 1

75% B + W Southern

25% Primal

State CG

100% Common throughout

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION07/31/01 11:36:27
OGOMES -TQKC
PAGE NO: 1

Sec : 01 Twp : 16S Rng : 38E Section Type : LONG

12	4	5	11	3	6	10	2	7	1	8	9
40.00	53.38	40.00	40.00	53.32	40.00	40.00	53.28	40.00	53.22	40.00	40.00
CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS
VA1222	0002		VA1222	0002		VA1222	0002		VA1222	0002	
B & W SOUTHERN PE			B & W SOUTHERN PE			B & W SOUTHERN PE			B & W SOUTHERN PE		
06/01/99			06/01/99			06/01/99			06/01/99		
						A					
13			14			15			16		
40.00			40.00			40.00			40.00		
CS			CS			CS			CS		
VA1222	0002		VA1222	0002		VA1222	0002		VA1222	0002	
B & W SOUTHERN PE			B & W SOUTHERN PE			B & W SOUTHERN PE			B & W SOUTHERN PE		
06/01/99			06/01/99			06/01/99			06/01/99		

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/31/01 11:36:30
OGOMES -TQKC
PAGE NO: 2

Sec : 01 Twp : 16S Rng : 38E Section Type : LONG

L 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99	K 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99	J 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99	I 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99
M 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99	N 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99	O 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99	P 40.00 CS VA1222 0002 B & W SOUTHERN PE 06/01/99

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

COUNTY Lea POOL Southeast Denton-Devonian

TOWNSHIP 16 South RANGE 38 East NMFM

												4	3	2	1
												5	6	7	8
6		5		4		3		2						10	9
7		8		9		10		11		12					
18		17		16		15		14		13					
19		20		21		22		23		24					
30		29		28		27		26		25					
31		32		33		34		35		36					

Description: Lots 9, 10, 15, and 16 (A-10776, 2-28-97)

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

07/31/01 11:37:55
OGOMES -TQKC

API Well No : 30 25 33177 Eff Date : 11-01-2000 WC Status : A
Pool Idn : 96644 DENTON;DEVONIAN, SOUTHEAST
OGRID Idn : 154303 PRIMAL ENERGY CORPORATION
Prop Idn : 26911 KNOWLES

Well No : 001
GL Elevation: 3717

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: 10	1	16S	38E	FTG 3691 F N	FTG 1928 F E	A
Lot Identifier:							
Dedicated Acre:	40.00						
Lease Type	: S						
Type of consolidation	(Comm, Unit, Forced Pooling - C/U/F/O)						

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 07/31/01 11:37:47
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TQKC

OGRID Idn : 154303 API Well No: 30 25 33177 APD Status(A/C/P): A
Opr Name, Addr: PRIMAL ENERGY CORPORATION Aprvl/Cncl Date : 11-01-2000
211 HIGHLAND CROSS
STE 227
HOUSTON, TX 77073

Prop Idn: 26911 KNOWLES Well No: 1

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	10	1	16S	38E			FTG 3627 F N	FTG 1425 F E
OCD U/L :	J		API	County :	25			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3717

State Lease No: Multiple Comp (S/M/C) : S
Prpsd Depth : 13053 Prpsd Frmtn : DEVONIAN

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD : ONGARD 07/31/01 14:21:21
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQKC
 Page No: 1

OGRID Identifier : 154303 PRIMAL ENERGY CORPORATION
 Pool Identifier : 96644 DENTON;DEVONIAN, SOUTHEAST
 API Well No : 30 25 33177 Report Period - From : 11 1995 To : 06 2001

API Well No	Property Name	Prod. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 25 33177	KNOWLES	11 00		S
30 25 33177	KNOWLES	12 00 6	44 124 170	P
30 25 33177	KNOWLES	01 01 5		P
30 25 33177	KNOWLES	02 01		S
30 25 33177	KNOWLES	03 01		S
30 25 33177	KNOWLES	04 01		S
30 25 33177	KNOWLES	05 01		S

Reporting Period Total (Gas, Oil) : 44 124 960

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

Submit 3 Copies

to Appropriate

District Office

DISTRICT I

PO Box 1980, Hobbs, NM 88241-1980

DISTRICT II

PO Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103

Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30-025-33177

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-1222

7. Lease Name or Unit Agreement Name

Knowles

1. Type of Well:

OIL

GAS

WELL ☒

WELL ☐

OTHER

2. Name of Operator

Primal Energy Corporation

8. Well No.

1

3. Address of Operator

211 Highland Cross, Suite #227, Houston, TX 77073

9. Pool name or Wildcat

Southeast Denton - Devonian

4. Well Location

Unit Letter J : 3627 Feet From The N Line and 1425 Feet From The E Line

Section 1

Township 16S

Range 38E

NMPM

Lea

County

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

3717' GR

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:

☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK

☐

ALTERING CASING

☐

COMMENCE DRILLING OPNS.

☐

PLUG & ABANDONMENT

☐

CASING TEST & 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.

1. Pull production string from hole.
2. Locate source of water entry and eliminate.
3. Remove tubing fish from hole and clean out to original TD.
4. Returned well to production.

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

SIGNATURE

TITLE Manager, Operations and Engineering

DATE 03/20/01

TYPE OR PRINT NAME

John Abernethy

TELEPHONE NO. 281-821-5600

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

FIELD REPRESENTATIVE-II

District I
PO Box 1900, Hobbs, NM 88241-1900
District II
PO Drawer DD, Artesia, NM 88211-4719
District III
1000 Rio Bruma Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 10, 1999
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address PRIMAL ENERGY CORPORATION 211 HIGHLAND CROSS, SUITE 227 HOUSTON, TX 77073		OGRID Number 154303
API Number 30-025 33177	Pool Name Devonian	Pool Code 96644
Property Code 17759 26911	Property Name Knowles	Well Number 1

II. Surface Location

UT or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
J	1	16 South	38 E	10	3627'	North	1425'	East	Lea

Bottom Hole Location

UT or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
J	1	16 South	38 E	10	3691'	North	1938'	East	Lea
Lea Code S	Producing Method Code Pumping	Gas Contracting Date	C-129 Permit Number	C-129 Effective Date 11/1/00	C-129 Expiration Date 4/10/01				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTE Location and Description
159639	Genesis Crude Oil L.P. 500 Dallas Ave., Suite 2500 Houston, TX 77002	2518123 2820098	0	

IV. Produced Water

POD	POD ULSTE Location and Description

V. Well Completion Data

Spud Date 11/18/95	Ready Date 10/18/96	TD 13,053'	FBTD 13,053'	Perforations 12,955'-13,053'
Hole Size	Casing & Tubing Size	Depth Set	Seals Cement	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	1st g. Pressure	2nd g. Pressure
Choke Size	OH	1st g. Pressure	Flow	AOP	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

JAMES BLAIR

Printed Name:

ATTORNEY-IN-FACT

Title:

Date:

10/25/00

Phone:

OIL CONSERVATION DIVISION

Approved by:

Larry W. Wink

Title:

Approval Date: FIELD REPRESENTATIVE

NOV 18 2000

Browning Oil Company, Inc., OGRID NO. 142316

Previous Operator Signature:

Michael McWill

Printed Name:

Michael P. McWilliams

Date:

President

11/1/00

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-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Browning Oil Company, Inc. P. O. Box 686 Giddings, Texas 78942		OGRID Number 142316
		Reason for Filing Code CO-name change only 1/1/97
API Number 30 - 0 25 33177	Pool Name Wildcat Devonian	Pool Code 96644
Property Code 17759	Property Name Knowles	Well Number 1

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	1	16 S	38E	10	3627	North	1425	East	Lea

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	1	16 S	38E	10	3695	North	1497	East	Lea
Lse Code S	Producing Method Code Pumping	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
159639	Genesis Crude Oil L.P. 500 Dallas Ave, Suite 3200 Houston, Texas 77002	2818123	O	

IV. Produced Water

POD 2818127	POD ULSTR Location and Description
----------------	------------------------------------

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations	DHC, DC, MC
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		

VI. Well Test Data

Date New Oil 8/29/96	Gas Delivery Date ---	Test Date 10/20/96	Test Length 24 hrs	Tbg. Pressure -	Csg. Pressure 10#
Choke Size ---	Oil 138 bbls	Water 8 bbls	Gas TSTM	AOF	Test Method Pumping

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Betty Petzold

Printed name: Betty Petzold

Title: Prod. Technician

Date:

Phone: 409 542-3144

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

DISTRICT 1 SUPERVISOR

FEB 17 1997

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

Hobbs, NM 88241-1980

DISTRICT II

P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV

P. O. Box 2088
Santa Fe, NM 87507-2088

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Instructions on back

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30 0 25 33177		2 Pool Code 96644		3 Pool Name Wildcat Devonian	
4 Property Code 17759		5 Property Name KNOWLES			6 Well Number 1
7 OGRID No. 142316		8 Operator Name BROWNING OIL COMPANY			9 Elevation 3717'

" SURFACE LOCATION

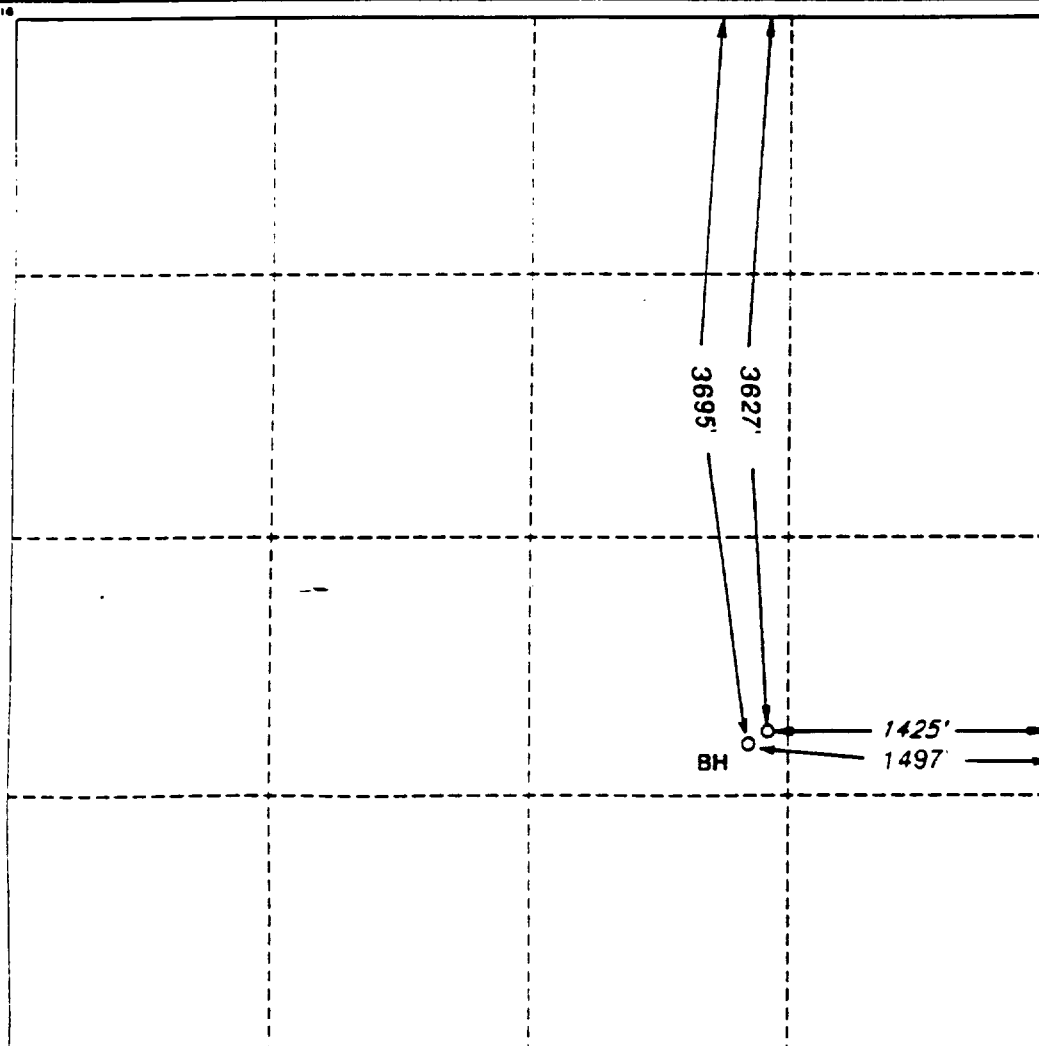
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
J	1	16 SOUTH	38 EAST, N.M.P.M.	10	3627'	NORTH	1425'	EAST	LEA

" BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
J	1	16 S	38 E		3695'	NORTH	1497'	EAST	LEA

12 Dedicated Acres 40	13 Joint or Infill	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



OPERATOR CERTIFICATION

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

Signature
Pat Keller

Printed Name
Pat Keller

Title
Operations Manager

Date
November 11, 1996

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
SEPTEMBER 29, 1995

Signature and Seal of
Professional Surveyor

STATE OF NEW MEXICO
V. LYNN
BEZNER
NO. 7920
Certified
V. L. BEZNER LAND SURVEYOR NO. 7920
JOB #41721 / 05-NE / V.H.B.

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

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Browning Oil Company, Inc. P. O. Box 686, Giddings, Texas 78942		OGRID Number 142316
Reason for Filing Code NW		
API Number 30 - 0 25 33177	Pool Name Wildcat <u>Devonian</u>	Pool Code 96644
Property Code 17759	Property Name Knowles	Well Number 1

II. 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
J	1	16 South	38E	10	3627	North	1425	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	1	16s	38e		3691	N	1928	E	Lea
Use Code S	Producing Method Code Pumping	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
17618	Basis Petroleum, Inc. 500 Dallas Ave., Suite 3200 Houston, Texas 77002	2818123	0	
	CASINCHIEVE GAS FLOW METER FLAMES METER 1/8/97 UNLESS AN EXCEPTION TO R-407 IS OBTAINED.			

IV. Produced Water

POD	POD ULSTR Location and Description
2818124	

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations	DHC, DC, MC
11/18/96	10/18/96	13,053	13,053	12,955'-13,053'	
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		
17 1/2"	13 3/8" 54.4#	400'	418		
11"	8 5/8" 32#	5,013'	2020		
7 7/8"	5 1/2" 17#	12,018'	2174		
7 7/8"	4 1/2"	11,749' (top)-12,983'	150 (squeeze 230)		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
8/29/96	--	10/20/96	24 hrs	-	10#
Choke Size	Oil	Water	Gas	AOY	Test Method
--	138 bbls	8 bbls	TSTM		Pumping

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Betty Petzold

Printed name:

Betty Petzold

Title:

Prod. Technician

Date:

10/21/96

Phone:

(409) 542-3144

OIL CONSERVATION DIVISION

Approved by:

[Signature]

Title:

DISTRICT SUPERVISOR

Approval Date:

NOV 08 1996

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

Submit to Appropriate
District Office
State Lease -- 6 copies
Fee Lease -- 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30 025 33177

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-1222

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

b. Type of Completion:

NEW
WELL ☒

WORK
OVER ☐

DEEPEN ☐

PLUG
BACK ☐

DEEP
RESERV ☐

OTHER ☐

7. Lease Name or Unit Agreement Name

Knowles

2. Name of Operator

Browning Oil Company, Inc.

8. Well No.

1

3. Address of Operator

P.O. Box 686, Giddings, Texas 78942

9. Pool name or Wildcat

Wildcat

4. Well Location

Unit Letter J : 3627 Feet From The N Line and 1425 Feet From The E Line
BHL 3627 1928
Section 1 Township 16 South Range 38E NMPM Lea County

10. Date Spudded

11/18/95

11. Date T.D. Reached

6/25/96

12. Date Compl. (Ready to Prod.)

10/18/96

13. Elevations (DF & RKB, RT, GR, etc.)

3732' RKB

14. Elev. Casinghead

3717'

15. Total Depth

13,053'

16. Plug Back T.D.

13,053'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

X

19. Producing Interval(s), of this completion - Top, Bottom, Name

12,955' - 13,053' - Devonian

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

DIL-GR-SP-Sonic

22. Was Well Cored

NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.4#	400'	17 1/2"	418 sks Class C	
8 5/8"	32#	5013'	11"	2020 sks Class C	
5 1/2"	17#	12018'	7 7/8"	2174 sks Poz H	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4 1/2"	11,749'	12,983'	150 sks H		2 7/8"	10,023'	---

25. TUBING RECORD

26. Perforation record (interval, size, and number)

12,955'-12,973' (72 holes)

12,983'-13,053' Open Hole

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

12,955-13,053'

20,500 gals 20% HCl

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
8/29/96		Pumping - 1 1/2" Rod Pump					Producing	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio	
10/20/96	24	--		138	TSTM	8	--	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)		
	10					46.3		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Used for fuel

Test Witnessed By

Doug Jatzlau

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Betty Petzold

Printed Name

Betty Petzold

Title

Prod. Tech.

Date

10/21/96

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-dried or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	2135	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	11,194	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	11,398	T. Pictured Cliffs		T. Penn. "D"	
T. Yates	3210	T. Miss	11,686	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian	12,955	T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres	5023	T. Simpson		T. Gallup		T. Ignacio Otzpe	
T. Glorieta	6425	T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb	7610	T. Delaware Sand		T. Todilto		T.	
T. Drinkard	7740	T. Bone Springs		T. Entrada		T.	
T. Abo	8265	T.		T. Wingate		T.	
T. Wolfcamp	9570	T.		T. Chinle		T.	
T. Penn		T.		T. Permian		T.	
T. Cisco (Bough C)		T.		T. Penn "A"		T.	

OIL OR GAS SANDS OR ZONES

OIL OR GAS SANDS OR ZONES

No. 1, from 12,955 (12,945 TVD) to 13,053 (13,043 TVD)	No. 3, from to
No. 2, from to	No. 4, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

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

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30 025 33177

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-1222

7. Lease Name or Unit Agreement Name

Knowles

8. Well No.

1

9. Pool name or Wildcat

Wildcat

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.)

1. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

2. Name of Operator

Browning Oil Company, Inc.

3. Address of Operator

P. O. Box 686, Giddings, Texas 78942

4. Well Location

Unit Letter J : 3627 Feet From The North Line and 1425 Feet From The East Line

Section 1 Township 16 South Range 38# NMPM Lea County

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

3717'

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: ☐

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.

9/11/96 - 9/16/96 - Swab tested well.

10/10/96-10/17/96 - MIRU workover rig. Attempted to pull CST packer. Could not get loose. Run free point survey w/WL - 2 3/8" tail pipe stuck below packer @ or below 12,582'. Could not get tool below 12,582' due to obstruction in 2 3/8" tbg. Jet cut 2 3/8" tubing @ 12,536'. Left 14 1/2" jts 2 3/8" tubing in hole. Top @ 12,536', end @ 12,984'. POH w/tbg & packer. RIH w/BHA & tubing. RIH w/pump & rods. Pump @ 9,951'. Install pump unit. Erect tank battery. Put well on production.

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

SIGNATURE

Betty Petzold

TITLE

Prod. Technician

DATE

10/21/96

TYPE OR PRINT NAME

Betty Petzold

(409) 542-3144
TELEPHONE NO.

(This space for State Use)

APPROVED BY

[Signature]

TITLE

DISTRICT I SUPERVISOR

DATE

NOV 08 1996

CONDITIONS OF APPROVAL, IF ANY:

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 33177

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
V-1222

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

Knowles

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Browning Oil Company, Inc.

8. Well No.
1

3. Address of Operator
P. O. Box 686, Giddings, Texas 78942

9. Pool name or Wildcat
Wildcat

4. Well Location
Unit Letter J : 3627 Feet From The North Line and 1425 Feet From The East Line
Section 1 Township 16 Range 38 East NMPM Lea County

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

3717' GR

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: ☐

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.

See attached sheet.

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

SIGNATURE Doug Jatzlau TITLE Prod. Manager DATE 9/4/96
TYPE OR PRINT NAME Doug Jatzlau TELEPHONE NO. (409) 542-3144

(This space for State Use)

APPROVED BY [Signature] TITLE DISTRICT I SUPERVISOR DATE SEP 11 1996

CONDITIONS OF APPROVAL, IF ANY:

(12.)

3/1/96 - 4/15/96 -- MIRU completion rig - Drill out stage tools @ 5,067' & 10,547' (TM) - Drill out float collar @ 11,972' (TM), shoe joint, & float shoe - Clean out open hole f/ 12,018' to TD @ 12,990' (TM) - Run 29 jts. 4-1/2" 11.5# L-80 FL4S liner - Set @ 12,983' - Top @ 11,749' - Cement w/ 150 sx Class H + .6% D60 + .2% D13 (16.4 ppg, 1.07 cf/sk) - Back off liner top @ 11,749' - Run CBL/GR/CL log f/ 12,854'-11,600' - Clean cement top @ 12,590' - Shoot squeeze perfs @ 12,570' - Set cement retainer @ 12,510' - RIH w/ tubing - Squeeze w/ 230 sx Class H + .3% D13 + .3% D65 + 5% D156 (15.6 ppg, 1.19 cf/sk) - WOC - Drill out cement and retainer - Test to 2000 psi - Drill out float collar, shoe joint, & float shoe - Clean out open hole f/ 12,983'-12,990' - Ran CN/GR log f/ 12,990'-11,500' - Ran CBL f/ 12,956'-11,650' - Perforate 4-1/2" in Devonian @ 12,955'-12,973' (4 SPF, 72 holes) - RIH w/ packer & tubing - Set packer @ 11,662' - Swab test well - Acidize w/ 3,000 gal. 20% HCl - Could not break down formation - POH w/ tubing & packer - RIH w/ 3-7/8" bit - Drill formation f/ 12,990'-13,010' - RIH w/ packer & tubing - Swab test well - Acidize w/ 2,500 gal. 15% HCl - Swabbed - POH w/ tubing & packer - RIH w/ 3-7/8" bit - Drilled formation f/ 13,010'-13,033' - RIH w/ packer & tubing - Swabbed - Acidize w/ 2,500 gal 20% HCl - Swabbed - RDMO

4/16/96 - 6/23/96 -- Shut in.

6/24/96 - 7/17/96 -- MIRU - POH w/ tubing & packer - RIH w/ 3-7/8" bit - Drill formation f/ 13,033'-13,053' - POH w/ bit - Perforate open hole @ 12,099'-13,053' (108 shots) - Hydro test in hole w/ packer & tubing - Acidize w/ 2,500 gal 20% HCl - Swabbed - Ran temperature and tracer surveys - Acidized w/ 10,000 gal. 20% HCl - Swabbed - RDMO

7/18/96- 8/29/96 - Shut in.

8/29/96 -- 800 psi SIP - Opened well to bleed off pressure - Well started making fluid - Switch to test tank

8/30/96 -- 79 bbls. Oil

8/31/96 -- 20 bbls. Oil

9/1/96 -- 20 bbls. Oil

9/2/96 -- 15 bbls. Oil

9/3/96 -- 20 bbls. Oil

Present Operation: Flowing to test tank & evaluating.

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 33177

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-1222

7. Lease Name or Unit Agreement Name

Knowles

8. Well No.

1

9. Pool name or Wildcat

Wildcat

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.)

1. Type of Well:

OIL WELL ☒

GAS WELL ☐

OTHER

2. Name of Operator

Browning Oil Company, Inc.

3. Address of Operator

P. O. Box 686, Giddings, Texas 78942

4. Well Location

Unit Letter T : 3627 Feet From The North Line and 1425 Feet From The East Line

Section 1 Township 16 Range 38 East NMPM Lea County

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

3717' GR

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: ☐

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.

12/11/96-2/21/96 - Drill 7 7/8" hole to 9682'. Took survey at 9660'. Angle had increased to 6°. Changed bottomhole assy to drop angle (no directional control). Angle dropped to 3°, but hole direction was away from seismic target and surface location. Directionally drilled with mud motor from 12,484-12703'. Steered hole toward surface location. Drilled from 12,703-12,994' without directional control. Attempted to run Drill Stem Test (DST) on zone 12,974-12,994'. Had drill pipe failure while running DST tools. Fished out part of tool string but left DST tools and 5 drill collars in hole. Left top of fish at 12,758'. Set cement plug from 12,238-12,653'. Sidetracked well at 12,578'. Directionally steered sidetrack hole to target between old bottom hole location and surface location. Attempted to log and run casing but were unable to get below 12,200' due to hole problems. Set 281 jts 5 1/2" 17# L-80 casing @ 12,018'. Hyd stage tool @ 10,547', DV tool @ 5067'. Cmmt 1st stage w/500 sx 50/50 Poz/H + 2% D20 + 5% D44 + .2%D59 + .25% D65 + .2%D800 (14.6 ppg, 1.27 yield, 113 bbls slurry). Open Hyd stage tool @ 2900 psi. Cmmt 2nd stage-Lead slurry: 1000 sx 35/65 Poz/H+6%D20+.1%D13+5%D44+.25#/sk D29 (12.4 ppg, 2.14 yield, 381 bbls slurry). Tail Slurry: 187 sx (cont on 2nd page)

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

SIGNATURE

Betty Petzold

TITLE

Prod. Asst.

DATE

3/6/96

TYPE OR PRINT NAME

Betty Petzold

TELEPHONE NO. (409) 542-

(This space for State Use)

APPROVED BY

Jerry Dick

TITLE

DISTRICT 1 SUPERVISOR

DATE

MAR 22 1996

CONDITIONS OF APPROVAL, IF ANY:

Browning Oil Company, Inc.
Knowles Well No. 1
From C-103 Attachment
Page 2

50/50 Poz/H+2%D20+5%D44+.6%D59+.25%D65+.2%D800 (14.6 ppg, 1.27 yield, 43 bbls slurry).
Open DV tool @ 5067'. Cement 3rd stage - Lead slurry: 300 sx 35/65 PozH + 6% D20 +
.1% D13 + 5% D44 + .25#/sk D29 (12.4 ppg, 2.14 yield, 114 bbls slurry). Tail: 187
sx 50/50 Poz/H + 2% D20 + 5% D44 + 6% D59 + .25% D65 + .2% D800 (14.6 ppg, 1.27 yield,
40 bbls slurry). Rig released 2/21/96.

Currently running a liner to attempt a completion. Will file additional Form C-103
upon setting of this liner.

OL. WENSEN DIVISION
RECEIVED

1988 FEB 10 8 52

SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

BROWNING OIL COMPANY

Well Name : BROWNING OIL/KNOWLES ~~SECTION 1~~ #1 UNIT
Location : LEA COUNTY, NEW MEXICO
:
:
Date Surveyed : 10 FEBRUARY 1996
Job Number : 32D0196033
Survey Performed By : RAGSDALE/LOVELACE

BILL

309 1/2 4 1937/E

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....G. Moody..... COMPANY REPRESENTATIVE

SCIENTIFIC DRILLING INTERNATIONAL

Company : BROWNING OIL COMPANY
Well Name : BROWNING OIL/KNOWLES SECTION 1 #1
Location : LEA COUNTY, NEW MEXICO
:
:
:

Page 1 of 3
Date 10 FEBRUARY 1996
Filename : KNOWLES1

No Interpolation

MD	INC	DIR	TVD	+N/-S	+E/-W	VS	D'LEG
ft	deg	deg	ft	ft	ft	ft	°/100
0.0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100.0	0.50	N84.00°W	100.00	0.05	-0.43	-0.35	0.5
200.0	0.50	N78.00°W	199.99	0.18	-1.29	-1.02	0.1
300.0	0.50	N78.00°W	299.99	0.36	-2.15	-1.65	0.0
400.0	0.50	N 3.00°E	399.99	0.89	-2.55	-1.73	0.6
500.0	0.50	S 8.00°E	499.99	0.89	-2.47	-1.66	1.0
600.0	0.50	N30.00°W	599.99	0.84	-2.63	-1.82	1.0
700.0	0.50	S78.00°E	699.98	1.13	-2.42	-1.49	0.9
800.0	0.50	N85.00°W	799.98	1.07	-2.43	-1.53	1.0
900.0	0.25	S20.00°E	899.98	0.91	-2.79	-1.92	0.6
1000.0	0.25	S20.00°E	999.98	0.50	-2.64	-2.00	0.0
1100.0	0.75	S34.00°W	1099.98	-0.25	-2.93	-2.64	0.6
1200.0	0.75	S30.00°W	1199.97	-1.36	-3.62	-3.80	0.1
1300.0	0.50	S34.00°W	1299.96	-2.29	-4.19	-4.77	0.3
1400.0	1.00	S10.00°W	1399.95	-3.51	-4.59	-5.74	0.6
1500.0	0.75	S10.00°W	1499.94	-5.01	-4.85	-6.74	0.3
1600.0	0.50	S26.00°E	1599.94	-6.05	-4.78	-7.21	0.5
1700.0	0.25	S18.00°W	1699.93	-6.65	-4.65	-7.41	0.4
1800.0	0.25	N25.00°E	1799.93	-6.66	-4.63	-7.40	0.5
1900.0	0.25	S 5.00°E	1899.93	-6.68	-4.52	-7.31	0.5
2000.0	0.25	S 8.00°E	1999.93	-7.11	-4.47	-7.49	0.0
2100.0	0.50	S35.00°E	2099.93	-7.69	-4.19	-7.55	0.3
2200.0	0.50	S84.00°E	2199.93	-8.09	-3.50	-7.17	0.4
2300.0	0.50	N41.00°E	2299.92	-7.81	-2.78	-6.40	0.5
2400.0	1.00	N65.00°E	2399.92	-7.11	-1.70	-5.12	0.6
2500.0	1.00	N80.00°E	2499.90	-6.59	-0.05	-3.44	0.3
2600.0	1.00	N57.00°E	2599.89	-5.96	1.54	-1.75	0.4
2700.0	1.00	N85.00°E	2699.87	-5.41	3.14	0.00	0.5
2800.0	1.00	S62.00°E	2799.86	-5.74	4.78	1.14	0.6
2900.0	1.00	N50.00°E	2899.84	-5.59	6.22	2.45	1.1
3000.0	0.75	S58.00°E	2999.83	-5.38	7.44	3.61	1.0
3100.0	1.00	N75.00°E	3099.82	-5.50	8.84	4.74	0.7
3200.0	1.00	S68.00°E	3199.81	-5.60	10.49	6.11	0.6
3300.0	1.50	N78.00°E	3299.79	-5.65	12.58	7.87	0.9
3400.0	1.00	N50.00°E	3399.76	-4.82	14.53	9.97	0.8
3500.0	1.00	N75.00°E	3499.75	-4.03	16.04	11.67	0.4
3600.0	1.00	N50.00°E	3599.74	-3.25	17.55	13.37	0.4
3700.0	1.00	N20.00°E	3699.72	-1.87	18.52	14.91	0.5
3800.0	0.50	N50.00°E	3799.71	-0.77	19.15	16.02	0.6
3900.0	0.75	N80.00°E	3899.71	-0.37	20.13	17.06	0.4

SCIENTIFIC DRILLING INTERNATIONAL

Company : BROWNING OIL COMPANY
 Well Name : BROWNING OIL/KNOWLES SECTION 1 #1
 Location : LEA COUNTY, NEW MEXICO

Page 2 of 3
 Date 10 FEBRUARY 1996
 Filename : KNOWLES1

:
 :
 :
 No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
4000.0	1.00	N84.00°E	3999.69	-0.17	21.64	18.47	0.3
4100.0	1.00	S25.00°E	4099.68	-0.87	22.88	19.16	1.2
4200.0	1.00	S60.00°E	4199.67	-2.09	24.00	19.50	0.6
4300.0	1.00	S86.00°E	4299.65	-2.59	25.63	20.63	0.4
4400.0	1.00	S80.00°E	4399.64	-2.80	27.36	22.01	0.1
4500.0	1.00	S80.00°E	4499.62	-3.11	29.08	23.33	0.0
4600.0	1.00	S80.00°E	4599.61	-3.41	30.80	24.64	0.0
4700.0	1.00	S82.00°E	4699.59	-3.68	32.52	25.98	0.0
4800.0	1.00	S41.00°E	4799.58	-4.46	33.96	26.81	0.7
4900.0	0.50	S72.00°W	4899.57	-5.26	34.12	26.54	1.3
5000.0	0.25	S 6.00°W	4999.57	-5.61	33.68	25.98	0.5
5100.0	0.25	S27.00°W	5099.57	-6.02	33.56	25.66	0.1
5200.0	1.00	S34.00°E	5199.56	-6.94	33.94	25.52	0.9
5300.0	0.50	S50.00°W	5299.56	-7.94	34.10	25.14	1.1
5400.0	0.50	N68.00°W	5399.56	-8.06	33.36	24.44	0.5
5500.0	0.50	S22.00°W	5499.55	-8.30	32.79	23.83	0.7
5600.0	0.50	S78.00°E	5599.55	-8.79	33.05	23.80	0.8
5700.0	0.50	N 5.00°W	5699.55	-8.45	33.44	24.31	0.8
5800.0	0.25	S40.00°W	5799.55	-8.18	33.27	24.30	0.7
5900.0	0.75	S 3.00°E	5899.54	-9.00	33.16	23.79	0.6
6000.0	0.50	N32.00°E	5999.54	-9.29	33.42	23.87	1.2
6100.0	0.50	N43.00°E	6099.54	-8.60	33.95	24.68	0.1
6200.0	0.25	S65.00°W	6199.54	-8.37	34.05	24.88	0.7
6300.0	1.00	N78.00°W	6299.53	-8.28	33.00	24.02	0.8
6400.0	0.25	N54.00°W	6399.52	-7.97	31.97	23.30	0.8
6500.0	0.25	N30.00°W	6499.52	-7.66	31.69	23.22	0.1
6600.0	0.25	S79.00°E	6599.52	-7.51	31.79	23.38	0.5
6700.0	1.00	S80.00°E	6699.52	-7.70	32.87	24.20	0.8
6800.0	0.50	S72.00°E	6799.51	-7.99	34.14	25.15	0.5
6900.0	0.50	N51.00°E	6899.50	-7.85	34.89	25.87	0.5
7000.0	0.50	N74.00°E	6999.50	-7.45	35.65	26.72	0.2
7100.0	0.50	S52.00°E	7099.50	-7.60	36.42	27.30	0.5
7200.0	0.50	N38.00°W	7199.49	-7.53	36.49	27.40	1.0
7300.0	0.50	N86.00°E	7299.49	-7.15	36.66	27.74	0.9
7790.0	0.50	S66.00°E	7789.47	-7.87	40.74	30.87	0.0
8162.0	1.00	S61.00°E	8161.44	-10.11	45.06	33.42	0.1
8380.0	1.00	S51.00°E	8379.41	-12.23	48.21	35.02	0.1
8600.0	1.00	S41.00°E	8599.38	-14.88	50.96	36.01	0.1
8879.0	1.50	S 6.00°E	8878.31	-20.35	52.94	34.89	0.3
9214.0	1.50	S11.00°E	9213.20	-29.02	54.23	31.54	0.0

SCIENTIFIC DRILLING INTERNATIONAL

Company : BROWNING OIL COMPANY
 Well Name : BROWNING OIL/KNOWLES SECTION 1 #1
 Location : LEA COUNTY, NEW MEXICO

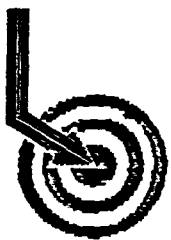
Page 3 of 3
 Date 10 FEBRUARY 1996
 Filename : KNOWLES1

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 No Interpolation

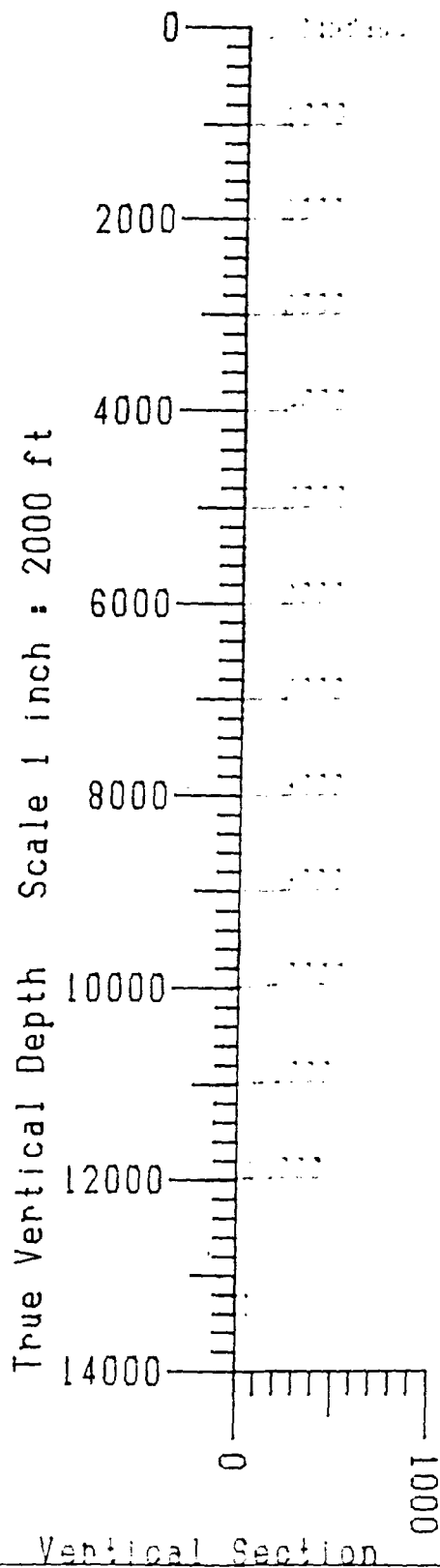
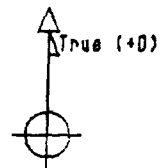
MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
9435.0	4.25	S49.00°W	9433.93	-37.23	48.60	22.48	1.7
9550.0	4.25	S59.00°W	9548.62	-42.22	41.73	14.03	0.6
9600.0	5.50	S60.00°W	9598.44	-44.37	38.07	9.78	2.5
9660.0	6.00	S64.00°W	9658.14	-47.19	32.76	3.78	1.1
9748.0	6.25	S61.00°W	9745.63	-51.53	24.44	-5.59	0.5
9808.0	5.75	S64.00°W	9805.30	-54.43	18.88	-11.85	1.0
9895.0	5.25	S67.00°W	9891.90	-57.89	11.30	-20.13	0.7
10094.0	4.50	S68.00°W	10090.18	-64.37	-4.32	-36.86	0.4
10248.0	4.25	S62.00°W	10243.73	-69.32	-14.96	-48.52	0.3
10432.0	3.75	S55.00°W	10427.29	-75.97	-25.91	-61.33	0.4
10675.0	3.50	S63.00°W	10669.80	-83.89	-39.03	-76.66	0.2
10858.0	3.25	S72.00°W	10852.49	-88.03	-48.94	-87.29	0.3
11043.0	3.25	S66.00°W	11037.19	-91.79	-58.72	-97.60	0.2
11135.0	3.25	S67.00°W	11129.04	-93.87	-63.50	-102.77	0.1
11250.0	3.00	S67.00°W	11243.87	-96.32	-69.27	-108.98	0.2
11363.0	3.00	S67.00°W	11356.71	-98.63	-74.71	-114.84	0.0
11606.0	3.00	S89.00°W	11599.39	-101.22	-86.93	-126.64	0.5
11791.0	3.00	N89.00°W	11784.14	-101.22	-96.61	-134.94	0.1
11977.0	2.75	N44.00°W	11969.92	-97.93	-104.57	-140.07	1.2
12182.0	2.50	N35.00°W	12174.71	-90.73	-110.55	-141.49	0.2
12319.0	3.00	N32.00°W	12311.55	-85.24	-114.17	-141.76	0.4
12382.0	3.00	N43.00°W	12374.46	-82.63	-116.17	-142.13	0.9
12441.0	4.40	N39.60°W	12433.34	-79.76	-118.66	-142.79	2.4
12472.0	4.50	N29.00°W	12464.25	-77.78	-120.01	-142.93	2.7
12504.0	5.00	N21.00°W	12496.14	-75.38	-121.12	-142.64	2.6
12534.0	5.50	N 8.00°W	12526.01	-72.74	-121.79	-141.85	4.3
12566.0	5.80	N 5.00°E	12557.86	-69.61	-121.86	-140.30	4.1
12618.0	2.80	N13.00°E	12609.71	-65.75	-121.34	-137.88	5.9
12678.0	1.80	N73.60°E	12669.67	-64.06	-120.11	-135.95	4.1
12738.0	5.20	S85.00°E	12729.55	-64.03	-116.50	-132.83	6.0
12773.0	6.30	S82.00°E	12764.37	-64.43	-113.01	-130.06	3.3

Origin of Bottom Hole Closure WELLSITE CENTRE
 Bottom Hole Closure 130 ft S60.31°W

KSRG 0'-9808' BY RAGSDALE
 SS 9895-'12773' BY LOVELACE

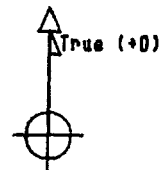


SCIENTIFIC DRILLING INTERNATIONAL
FOR
BROWNING OIL
KNOWLES #1
IN
LEA COUNTY, NEW MEXICO



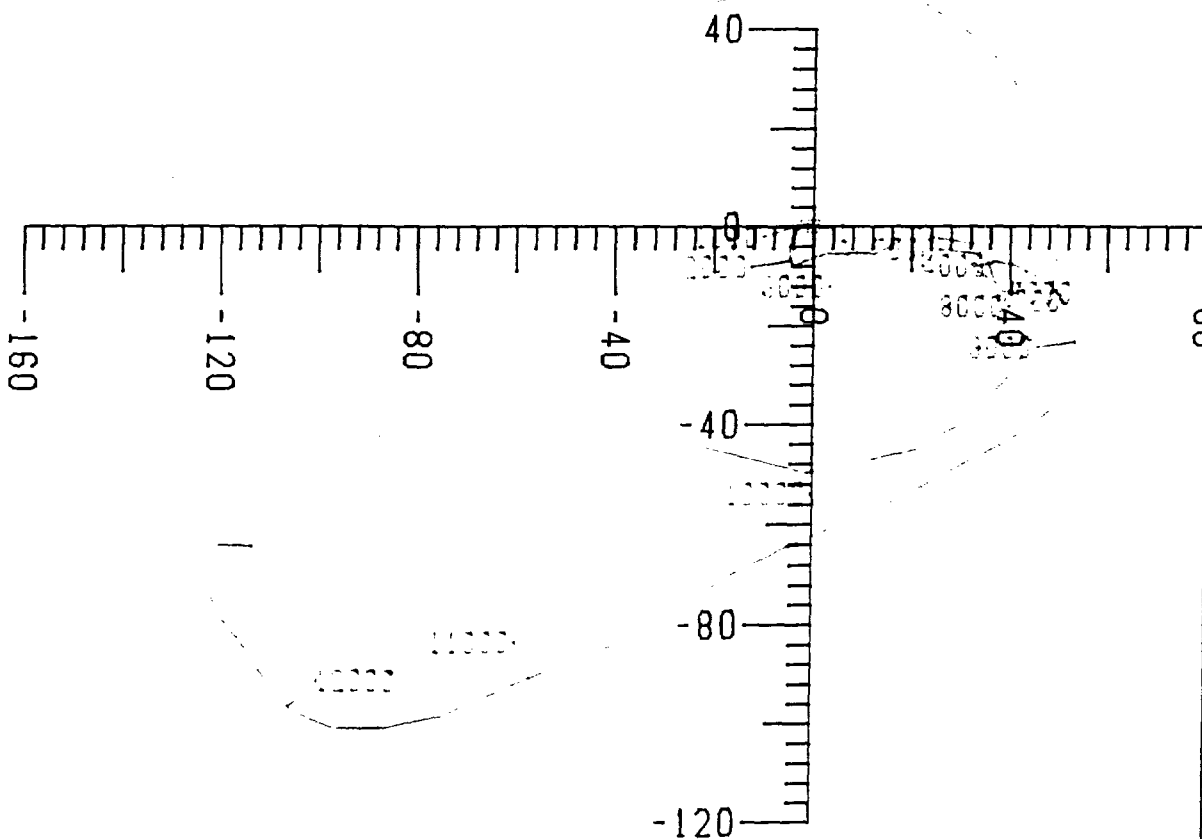


SCIENTIFIC DRILLING INTERNATIONAL
FOR
BROWNING OIL
KNOWLES #1
IN
LEA COUNTY, NEW MEXICO



Latitude Scale 1 inch : 40 ft

Departure Scale 1 inch : 40 ft



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 33177

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

V-1222

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.)

1. Type of Well:

OIL
WELL ☒GAS
WELL ☐

OTHER

2. Name of Operator

Browning Oil Company, Inc.

3. Address of Operator

P. O. Box 686, Giddings, Texas 78942

7. Lease Name or Unit Agreement Name

Knowles

8. Well No.

1

9. Pool name or Wildcat:

Wildcat

4. Well Location

Unit Letter J : 3627 Feet From The North Line and 1425 Feet From The East LineSection 1 Township 16 Range 38 East NMPM Lea County

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

3717' GR

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: ☐

SUBSEQUENT REPORT OF:

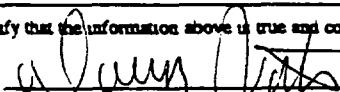
REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☒OTHER: ☐

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.

11/27/95 - Drill 11" hole to 5,020'. Run 24 jts 8 5/8" 32# HCK-55 STC casing & 90 jts 8 5/8" 32# J-55 STC casing. Set @ 5013'. RU Dowell. Cement w/1820 sks C + 4% gel + 3% salt + 1/4#/sk Celloflake (13.2 ppg, 1.86 yield) and 200 sks C + 1% CaCl2 (14.8 ppg, 1.32 yield). Circulate 210 sks to surface. Plug down @ 10:20 p.m., 11/27/95. WOC 25 1/2 hrs. Drill cement & float collar - Test casing to 1500 psi. OK. Drill cement & shoe.

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

SIGNATURE



TITLE

Prod. Manager

DATE

12/1/95

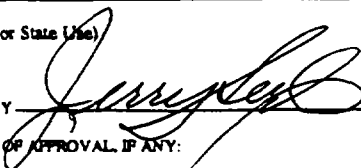
TYPE OR PRINT NAME

Doug Jatzlau

(409) 542-3144
TELEPHONE NO.

(This space for State Use)

APPROVED BY



TITLE

DISTRICT I SUPERVISOR

DATE

DEC 6, 1995

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240DISTRICT II
P.O. Drawer DD, Artesia, NM 88210DISTRICT 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 33177

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

V-1222

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.)

1. Type of Well:

OIL
WELL ☒GAS
WELL ☐OTHER ☐

2. Name of Operator

Browning Oil Company, Inc.

8. Well No.

1

3. Address of Operator

P. O. Box 686, Giddings, Texas 78942

9. Pool name or Wildcat

Wildcat

4. Well Location

Unit Letter J : 3627 Feet From The North Line and 1425 Feet From The East LineSection 1 Township 16 Range 38 East NMPM Lea County

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

3717' GR

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: ☐

SUBSEQUENT REPORT OF:

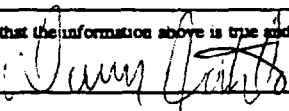
REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☒PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☒OTHER: ☐

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.

Norton Drilling Rig #15 spud well @ 7:30 a.m., 11/18/95. Drill 17 1/2" hole to 400'. Run 9 jts 13 3/8" 54.4# J-55 ST&C casing. Set @ 400'. RU Dowell and cement w/418 sacks Class C + 2% CaCl2 + 1/4#/sk Celloflake (14.8 ppg, 1.32 yield). Circulate 15 bbls to surface. Plug down @ 7:15 p.m. w/950 psi. WOC 17 1/4 hrs - Test casing to 500 psi. - Drill Out.

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

SIGNATURE



TITLE

Prod. Manager

DATE

11/21/95

TYPE OR PRINT NAME

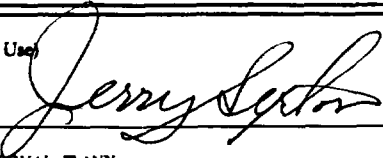
Doug Jatzlau

TELEPHONE NO.

(409) 542-3144

(This space for State Use)

APPROVED BY



TITLE

DISTRICT I SUPERVISOR

DATE

NOV 28 1995

CONDITIONS OF APPROVAL, IF ANY:

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
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

Operator Name and Address. Browning Oil Company, Inc. 3080 North Central Expressway, Suite 780, LB 41 Dallas, Texas 75206		OGRID Number 142316
		API Number 30-025-33174
Property Code 17759	Property Name Knowles	Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
B 16	1	16 South	38 East	10	3,627	North	1,425	East	Lea

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 Wildcat Devonian					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3,717'
Multiple No	Proposed Depth 13,250'	Formation Devonian	Contractor	Spud Date 11/15/95

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 #	400'	Circulate	Surface
11"	8 5/8"	24 #	5,000'	Back to 400'	400'
7 7/8"	5 1/2"	17 #	13,250'	600' above	12,650'
				prod. zone	

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.

The Browning Oil Company Knowles #1 well is a proposed 13,200 FT exploratory project for the purpose of testing the Devonian (Silurian) formation. The project is supported by well control consisting of four dry and abandoned wells and seismic. The proposed location will attempt to test a geologic feature at its structurally highest position.

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

Approval for drilling only -- CANNOT
produce until Non-Standard Location is
approved.

R-10509 NSL

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

Signature:

Michael R. McWilliams

Printed name: Michael R. McWilliams

Title: President

Date: October 9, 1995

Phone: (214) 739-3481

OIL CONSERVATION DIVISION

Approved by:

Title: DISTRICT I SUPERVISOR

Approval Date: NOV 15 1995 Expiration Date:

Conditions of Approval:
Attached ☐

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form U-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-	2 Pool Code	3 Pool Name Wildcat Devonian
4 Property Code 17759	5 Property Name KNOWLES PROSPECT	6 Well Number 1
7 OGRID No. 142316	8 Operator Name BROWNING OIL COMPANY	9 Elevation 3717'

10 SURFACE LOCATION

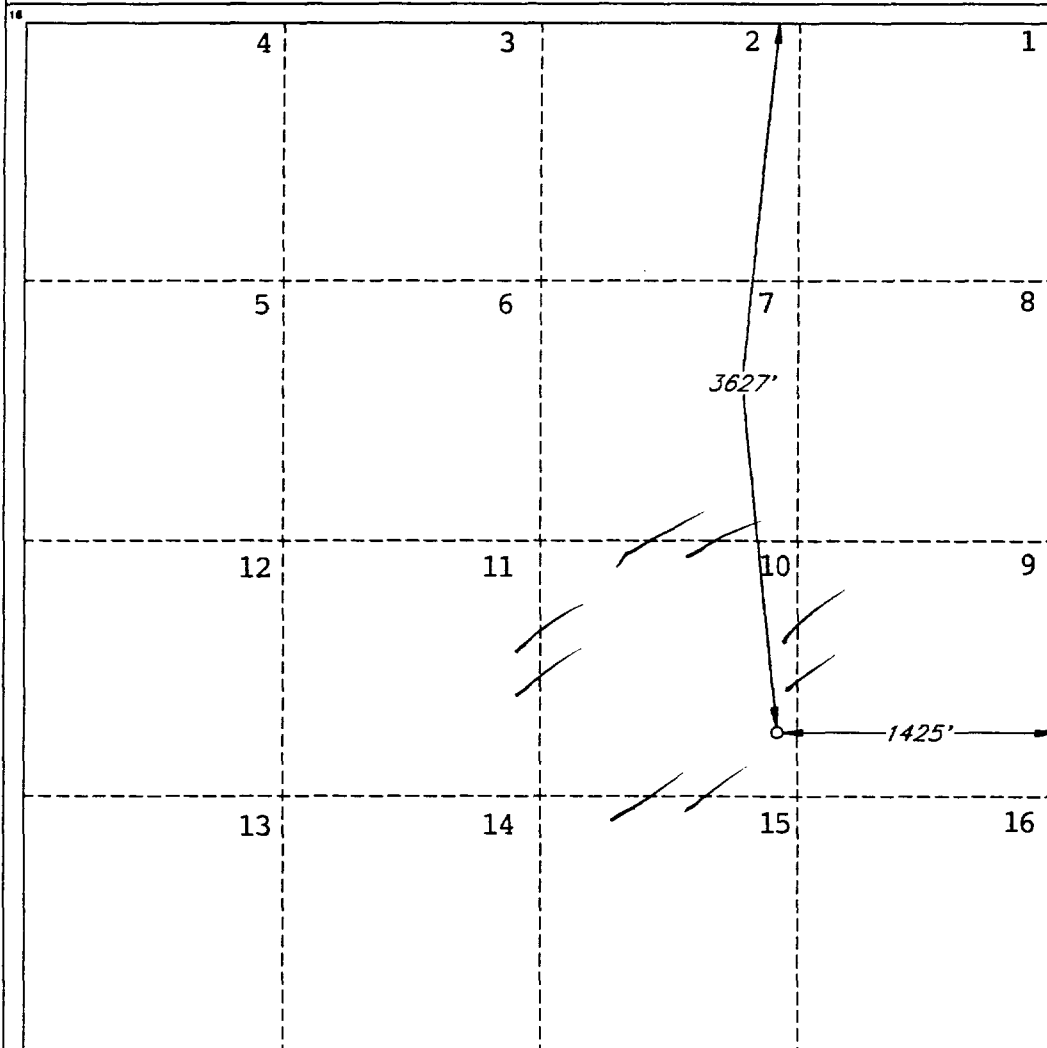
UL or lot no. B 2	Section 1	Township 16 SOUTH	Range 38 EAST, N.M.P.M.	Lot Ida 10	Feet from the 3627'	North/South line NORTH	Feet from the 1425'	East/West line EAST	County LEA
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"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres 40	13 Joint or Infill	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



OPERATOR CERTIFICATION

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

Signature
Michael R. McWilliams

Printed Name
Michael R. McWilliams

Title
President

Date
(214) 739-3481

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
SEPTEMBER 29, 1995

Signature and Seal of
Professional Surveyor

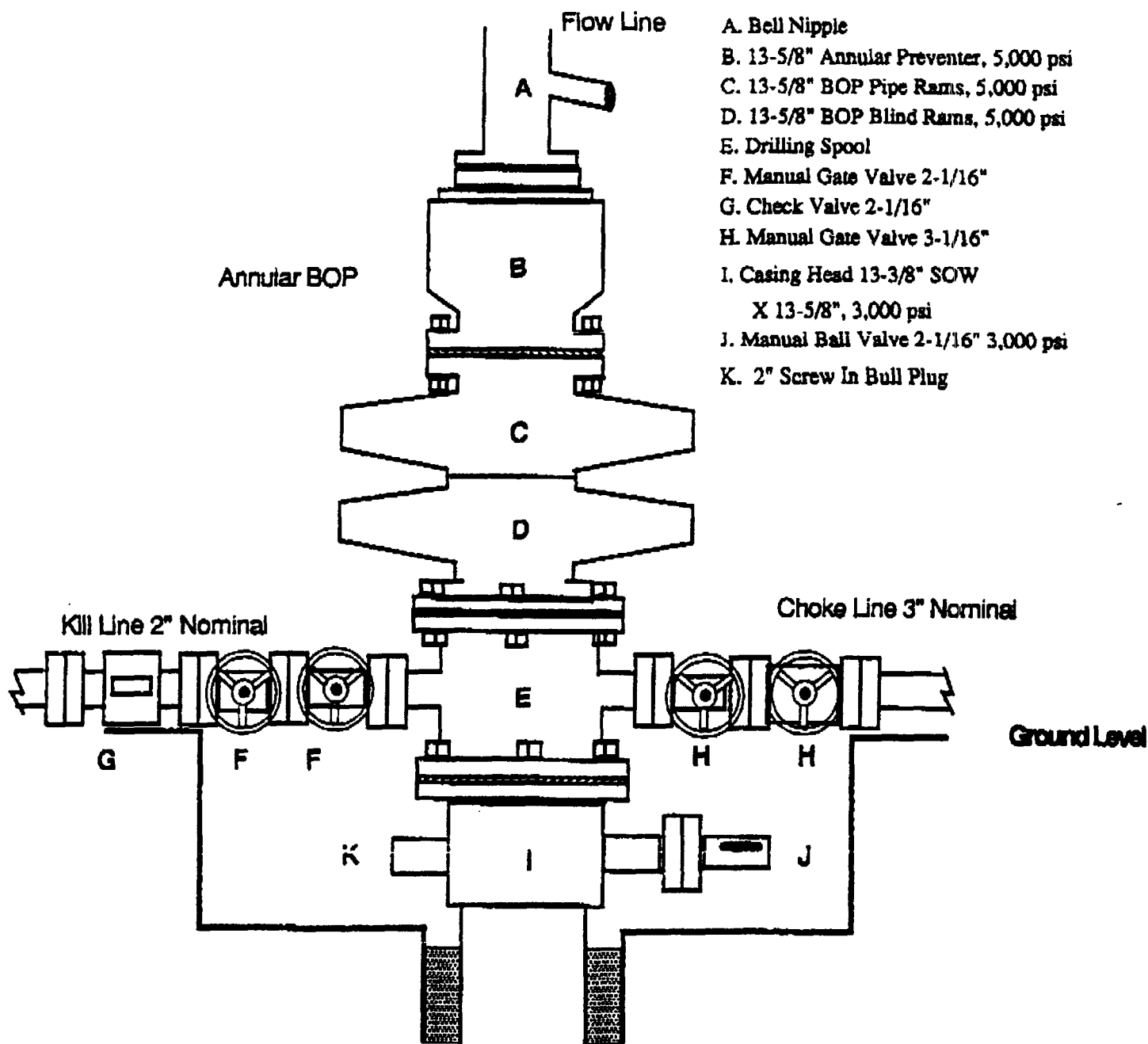
STATE OF NEW MEXICO
V. LYNN
BEZNER
NO. 7920

Certification No.
V. L. BEZNER AND ASSOCIATES, #7920

JOB #41724 / 95 NE / JSJ

SECTION 1 (Long Section) Lots 1 - 16

13-5/8" 5,000 psi BOP



WRS COMPLETION REPORTCOMPLETIONS SEC 1 TWP 16S RGE 38E
PI# 30-T-0029 12/06/96 30-025-33177-0000 PAGE 1

NMEX LEA * 2627FNL 1425FEL SEC

STATE COUNTY FOOTAGE SPOT
BROWNING OIL WF WFD

OPERATOR WELL CLASS INIT FIN

1 KNOWLES

WELL NO. LEASE NAME

3732KB 3717GR

UNNAMED

OPER ELEV FIELD/POOL/AREA

API 30-025-33177-0000

LEASE NO. PERMIT OR WELL I.D. NO.

11/18/1995 10/20/1996 ROTARY VERT OIL

SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS

13250 DEVONIAN NORTON DRLG 15 RIG SUB 14

PROJ. DEPTH PROJ. FORM CONTRACTOR

DTD 13053 FM/TD SILURIAN

DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

LOCATION DESCRIPTION8 MI N KNOWLES, NM
3.50 MI NE/13072 (DVNN) OIL PROD IN UNNAMED FLD**WELL IDENTIFICATION/CHANGES**

FIELD CHGD FROM WILDCAT

CASING/LINER DATACSG 13 3/8 @ 400 W/ 418 SACKS
CSG 8 5/8 @ 5013 W/ 2020 SACKS
CSG 5 1/2 @ 12018 W/ 2174 SACKS
LNR 4 1/2 11749-12983 W/ 150S**TUBING DATA**

TBG 2 7/8 AT 10023

INITIAL POTENTIALIPP 138BOPD 8BW 24HRS
SILURIAN COMB 12955-13053
PERF 12955-12973
OPEN 12983-13053
ACID 12955-13053 20500GALS
20% HCL
GTY 46.3 GOR TSTM
FIELD /RESERVOIR
/DEVONIAN

CONTINUED IC# 300257057995

COPYRIGHT 1996

**Petroleum Information
Corporation**PI-WRS-GST
Form No187

COMPLETIONS SEC 1 TWP 16S RGE 38E
 PI# 30-T-0029 12/06/96 30-025-33177-0000 PAGE 2

BROWNING OIL WF WFD
 1 KNOWLES

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	RUSTLER		2135 1597	
LOG	YATES		3210 522	
LOG	SN ANDRS		5023 -1291	
LOG	GLORIETA		6425 -2693	
LOG	TUBB		7610 -3878	
LOG	DRINKARD		7740 -4008	
LOG	ABO		8265 -4533	
LOG	WOLFCAMP		9570 -5838	
LOG	STRAWN	11194	-7462	
LOG	ATOKA	11398	-7666	
LOG	MSSP	11686	-7954	
LOG	SILURIAN	12955	-9223	

SUBSEA MEASUREMENTS FROM KB

LOGS AND SURVEYS /INTERVAL, TYPE/
 LOGS DI GR SP
 LOGS SONL

DRILLING PROGRESS DETAILS

	BROWNING OIL
	BOX 686
	GIDDINGS, TX 78942
	409-542-3144
11/15	LOC/1995/
11/22	DRLG AHEAD
11/28	DRLG 5020
12/05	DRLG 7480
12/12	DRLG 9691
12/20	DRLG AHEAD
01/03	DRLG 11610
01/09	DRLG 12484
01/17	DRLG 12994
01/25	DRLG AHEAD
02/29	13053 TD, WOCT
	RIG REL 02/24/96
12/03	13053 TD
	COMP 10/20/96, IPP 138 BO, 8 BWPD,
	GTY 46.3, GOR TSTM
	PROD ZONE - DEVONIAN 12955-13053 (GROSS)
	TITE HOLE

CONTINUED

COMPLETIONS SEC 1 TWP 16S RGE 38E
PI# 30-T-0029 12/06/96 30-025-33177-0000 PAGE 3

BROWNING OIL WF WFD
1 KNOWLES

DRILLING PROGRESS DETAILS

12/03 (DEVONIAN DISCOVERY - NEW FIELD)