

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-108 Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance
☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No

II. OPERATOR: Pronghorn Management Corp.

ADDRESS: P.O. Box 1772 Hobbs N.M. 88241

CONTACT PARTY: G.A. Baber 505-393-9176 PHONE:

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.

Additional sheets may be attached if necessary.

- IV. Is this an expansion of an existing project? _____ Yes ☒ No
If yes, give the Division order number authorizing the project:

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the

Pronghorn Exhibit 1
Case No. 12905

Division, they need not be resubmitted).

- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: G.A. Baber Partner TITLE:

SIGNATURE: G.A. Baber 4/5/2002 DATE:

- * If the information required under Sections VI, VIII, ☒ and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: When Drilled

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

INJECTION WELL DATA SHEET

Tubing Size: 2 3/4" Lining Material: IPC
 Type of Packer: Baker Model "R"
 Packer Setting Depth: 5950
 Other Type of Tubing/Casing Seal (if applicable): NONE

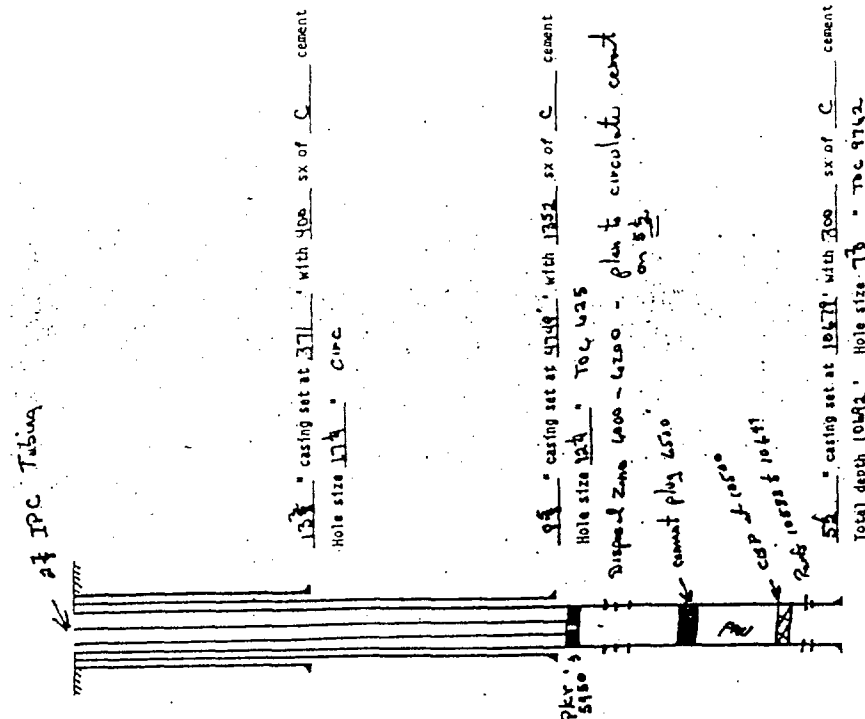
Additional Data

1. Is this a new well drilled for injection? Yes X No
 If no, for what purpose was the well originally drilled? oil well
2. Name of the Injection Formation: San Andres / Glorietta
3. Name of Field or Pool (if applicable): Townsend
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
Wellbore 10583 to 10647'; CIBP and cement will be put above perp.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Grayburg at approximately 3800'
Paddock at approximately 6800'

INJECTION WELL DATA SHEET

OPERATOR: Pronghorn Management CorpWELL NAME & NUMBER: State T #2WELL LOCATION: 4200/s 500/wUNIT LETTER L SECTION 6 TOWNSHIP 16 RANGE 36

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17 1/4 " Casing Size: 13 3/8 " ft^3

Cemented with: 400 sx sx. or ft^3

Top of Cement: Circ Method Determined: cement to surface

Intermediate Casing

Hole Size: 12 1/4 " Casing Size: 8 5/8 " ft^3

Cemented with: 1352 sx. or ft^3

Top of Cement: 425 Method Determined: TS

Production Casing

Hole Size: 7 7/8 " Casing Size: 5 1/2 " ft^3

Cemented with: 300 sx. or ft^3

Top of Cement: 9762 Method Determined: TS

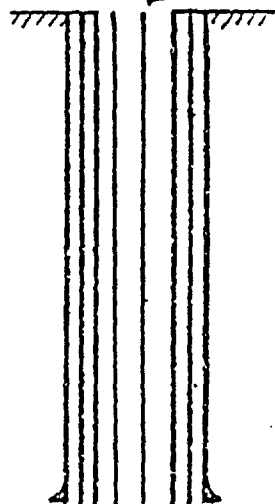
Total Depth:

Injection Interval feet to 6200

(Perforated or Open Hole; indicate which)

Pronghorn State T # 2

← 2 7/8" IPC Tubing



13 3/8 " casing set at 371 ' with 400 sx of C cement
Hole size 17 1/4 " circ

PKR 5950' 9 5/8 " casing set at 4749 ' with 1352 sx of C cement
Hole size 12 1/4 " TOC 425

Disposal Zone 6000 - 6200 - plan to circulate cement on 5 1/2 "

← cement plug 6500'

CISP at 10500

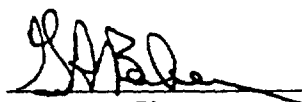
Perfs 10593 to 10647

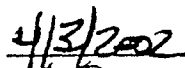
5 1/2 " casing set at 10679 ' with 300 sx of C cement
Total depth 10692 ' Hole size 7 3/8 " TOC 9762

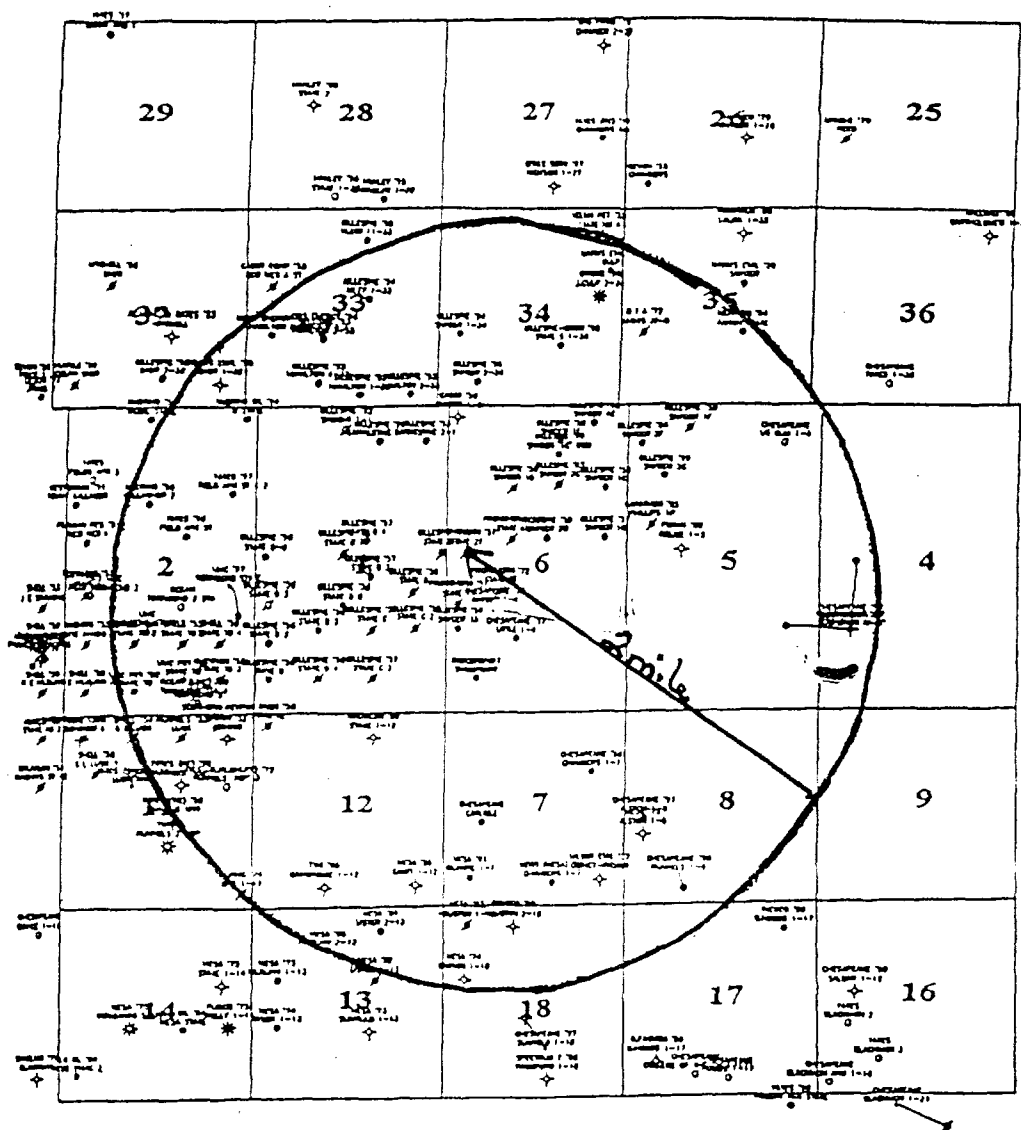
ATTACHMENT TO APPLICATION C-108

State T #2
Unit L, Sect. 6, T. 16 S., R. 36 E.
Lea Co., NM

- III. Well data information sheets attached.
- IV. No
- V. Map attached.
- VI. List of wells and data attached.
- VII. Proposed Operation
 - 1) Average daily injection volume is 1500 bls. per day.
 - 2) Closed system.
 - 3) The average injection pressure is 500 psig with a maximum injection pressure of 1000 psig.
 - 4) Produced water from the area, see attached water analysis.
 - 5) Attached analysis.
- VIII. The proposed disposal formation is interbedded shale and limestone.
The primary geologic name is the San Andres and Glorieta formation which we plan to inject from approximately 6000' to 6200'.
The fresh water formation in this area is the Ogallala which ranges in thickness from top of H2O at 60' to the base of the fresh water at 240'.
- IX. Acid as needed.
- X. Previously submitted.
- XI. Attached.
- XII. I, G.A. Baber, have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water pertaining to this well.


Signature


Date



Pronghorn
 State T #2
 L-6-16-36



Application for Disposal

Well	Type	Date Drilled	Location	Depth	Record of Completion	Zone	Status
State 1T	Oil	Aug-57	2970 FSL/330 FWL 6-16S-36E	10,746	perf 10,650'-10,710'	Wolf	In-active
State 2T	Oil	Nov-57	4290 FSL/550 FWL 6-16S-36E	10,692	perf 10,583'-10,647'	Wolf	In-active
State 3T	Oil	Apr-58	3300 FSL/1551 FWL 6-16S-36E	10,737	perf 10,650'-10,700'	Wolf	In-active
State 4T	Oil	Aug-58	4620 FSL/1885 FWL 6-16S-36E	10,728	perf 10,607'-10,664'	Wolf	In-active
State B3	Oil	Apr-57	4290 FSL/160 FEL 1-16S-35E	10,706	perf 10,554'-10,629'	Wolf	In-active
Snyder 2B	Oil	May-58	3656 FNL/2310 FEL 6-16S-36E	10,703	perf 10,653'-10,671'	Wolf	Active
State B1	Oil	Sep-56	3300 FSL/975 FEL 1-16S-35E	10,700	perf 10,568'-10,614'	Wolf	In-active
State C2	Oil	Nov-56	2340 FSL/910 FEL 1-16S-35E	10,695	perf 10,600'-10,643'	Wolf	In-active
Snyder 1A	Oil	May-57	2319 FSL/330 FWL 6-16S-36E	10,714	perf 10,652'-10,692'	Wolf	In-active
Snyder A Comm	Oil	Mar-98	990 FSL/874 FWL 6-16S-36E	11,745	perf 11,452'-11,477'	Strawn	Active
Little 1-6	Oil	Jul-97	2065 FSL/2038 FWL 6-16S-36E	11,860	perf 11,456'-11,523'	Strawn	Active
Snyder D #1	Oil	1959	2330 FNL / 1916 FWL 4-4-36 10700 2-4-56 10530/10430 wlf				7-4-B

WELL DATA

Energen Resources Corp., Snyder A Comm #1 U, Sect. 6
Drilled 1998 as an oil well in the Strawn, active producer

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/2"	13 3/8"	398'	440 sx	circ.
11"	8 5/8"	4762'	1110 sx	circ.
7 7/8"	5 1/2"	11,745'	650 sx	calc. TOC 2100'

Energen Resources Corp., Snyder B #2 J, Sect. 6
Drilled 1958 as an oil well in the Wolfcamp, active producer

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/2"	13 3/8"	363'	275 sx	circ.
11"	8 5/8"	4724'	2050 sx	circ.
7 7/8"	5 1/2" liner	4551'/10,703'	300 sx	calc. TOC 6200'

Energen Resources Corp., Snyder A #1-T, Sect. 6
Drilled 1957 as an oil well in the Wolfcamp, well inactive.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/2"	13 3/8"	369'	275 sx	circ.
12 1/4"	8 5/8"	4715'	2050 sx	circ.
7 7/8"	5 1/2" liner	4536'/10,719'	300 sx	calc. TOC 6200'

Chesapeake Operating, Inc., Little 6 #1 K, Sect. 6
Drilled 1997 as an oil well in the Strawn, active producer.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/2"	13 3/8"	489'	495 sx	circ.
11"	8 5/8"	4100'	2227 sx	circ.
7 7/8"	5 1/2"	11,853'	2055 sx	circ.

Charles B. Gillespie, Jr., State B #1-P, Sect. 1

Drilled 1956 as an oil well in the Wolfcamp, well P & A 1995.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>
17 1/4"	13 3/8"	365'	350 sx
11"	8 5/8"	4701'	1850 sx
7 7/8"	5 1/2" liner	4527'/10,677'	200 sx

Well bore schematic of P & A attached.

Charles B. Gillespie, Jr., State C #2 Q, Sect. 1

Drilled 1956 as an oil well in the Wolfcamp, well P & A 1995.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>
17 1/2"	13 3/8"	366'	250 sx
11"	8 5/8"	4697'	2050 sx
7 3/4"	5 1/2" liner	4520'/10,694'	200 sx

Well bore schematic of P & A attached.

Charles B. Gillespie, Jr., State B #3 I, Sect. 1

Drilled 1957 as an oil well in the Wolfcamp, well P & A 1995.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/2"	13 3/8"	375'	275 sx	circ.
11"	8 5/8"	4714'	2050 sx	circ.
7 7/8"	5 1/2" liner	4548'/10,704'	200 sx	calc. TOC 7000'

Well bore schematic of P & A attached.

Pronghorn Management Corp., State T #1-M, Sect. 6

Drilled 1957 as an oil producer in the Wolfcamp, well inactive.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/4"	13 3/8"	361'	375 sx	TOC 25' filled w/cement
12 1/4"	8 5/8"	4748'	1240 sx	circ.
7 7/8"	5 1/2"	10,745'	300 sx	TOC 9445'

P & A filed on this well, approval attached.

Pronghorn Management Corp., State T #2-L, Sect. 6
Drilled 1957 as a producer in the Wolfcamp, well inactive.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/4"	13 3/8"	371'	400 sx	circ.
12 1/4"	8 5/8"	4749'	1352 sx	TOC 625'
7 7/8"	5 1/2"	10,679'	300 sx	TOC 9762'

P & A filed on this well, approval attached.

Pronghorn Management Corp., State T #3-N, Sect. 6
Drilled 1958 as an oil producer in the Wolfcamp, well inactive.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/4"	13 3/8"	376'	400 sx	circ.
12 1/4"	8 5/8"	4704'	1682 sx	circ.
7 7/8"	5 1/2"	10,736'	300 sx	TOC 9535'

P & A filed on this well.

Pronghorn Management Corp., State T #4-K, Sect. 6
Drilled 1958 as an oil well in the Wolfcamp, well is inactive.

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>	
17 1/4"	13 3/8"	376'	425 sx	circ.
12 1/4"	8 5/8"	4749'	1051 sx	TOC 605'
7 7/8"	5 1/2"	10,727'	300 sx	TOC 9620'

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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.	30-025-02705
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	E-9117

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 ☐	7. Lease Name or Unit Agreement Name State C
2. Name of Operator Charles B Gillespie, Jr.	8. Well No. 2
3. Address of Operator P.O. Box 8 Midland, Tx. 79702	9. Pool name or Wildcat Townsend Perm & Upper Penn
4. Well Location Unit Letter <u>Q</u> : <u>2340</u> Feet From The <u>South</u> Line and <u>910</u> Feet From The <u>East</u> Line Section <u>1</u> Township <u>16-S</u> Range <u>35-E</u> NMPM <u>Lea N.M.</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3968 GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		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.

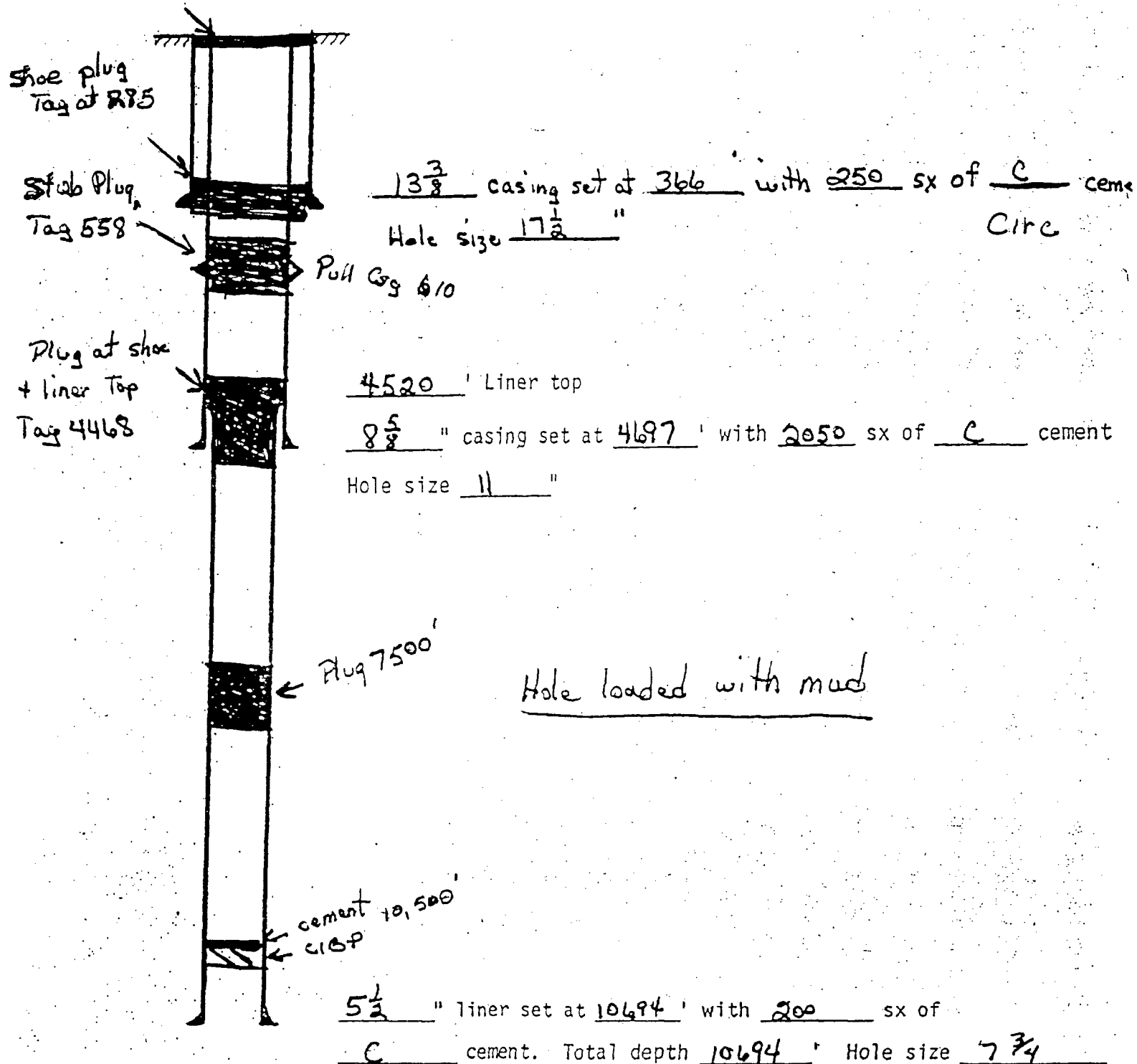
- (1) Set 5½ CIBP @ 10,500 cap w/4 sacks cement
- (2) Load hole w/mud
- (3) Spot 25 sack cement plug @ 7500'
- (4) Spot 50 sack cement plug @ 4747 8 5/8 shoe to cover 8 5/8 shoe & 5½ liner top W.O.C. tag plug @ 4468'
- (5) Cut & pull 8 5/8 casing @ 610
- (6) Spot 55 sack cement plug @ 8 5/8 stub W.O.C. tag plug @ 558'
- (7) Spot 80 sack cement plug @ 13 3/8 shoe 386' W.O.C. tag plug @ 285'
- (8) Spot 15 sacks cement plug @ surf, set P&A marker 9/7/1993

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

SIGNATURE Raymond Maldonado TITLE Supervisor DATE _____
TYPE OR PRINT NAME _____ TELEPHONE NO. _____

OPERATOR	Charles B Gillespie Jr.		DATE	PJA 1995
LEASE	State C	WELL No.	1 Q-1-16-35	

surface plug



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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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. 30-025-02708

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No. E-9116

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
Charles B Gillespie, Jr.

3. Address of Operator
P.O. Box 8 Midland, Texas 79702

4. Well Location
Unit Letter I : 4290 Feet From The South Line and 160 Feet From The East Line
Section 1 Township 16-S Range 35-E NMPM Lea County

7. Lease Name or Unit Agreement Name

State B

8. Well No. 3

9. Pool name or Wildcat
Townsend Permian Upper Penn

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3964 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.

(1) Set 5 1/2 CIBP @ 10,200' cap w/4 sacks cement

(2) Load hole w/mud

(3) Spot 25 sacks cement plug @ 7500'

(4) Spot 50 sacks cement @ 4764 to cover the 8 5/8 shoe & 5 1/2 liner top W.O.C. tag plug @ 4490

(5) Spot 35 sacks cement plug @ 426'

(6) Spot 15 sacks cement @ surf. Set P&A marker 8-27-1993

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

SIGNATURE Raymond Maldonado TITLE Supervisor DATE _____

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY Larry M. Hill OIL & GAS INSPECTOR JAN 06 1995

OPERATOR	Charles B. Gillespie Jr.		DATE	P+A 1995
LEASE	State B	WELL No.	3	LOCATION I-1-16-35

Surface Plug

Plug at 426

$13\frac{3}{8}$ casing set at 375' with 275' sx of C cement
Hole size $17\frac{1}{2}$ "

Plug across shoe + liner
Tag @ 4490

4548' Liner top
 $8\frac{5}{8}$ " casing set at 4714' with 2050' sx of C cement
Hole size 11"

← Plug 7500

Hole loaded w/mud

← cement CIBP

$5\frac{1}{2}$ " liner set at 10704' with 200' sx of C cement. Total depth 10704' Hole size $7\frac{7}{8}$ "

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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

NOV 2 1993

WELL API NO.	30-025-02707
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	E-9116

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
State B
8. Well No.
1
9. Pool name or Wildcat
Townsend Perm Upper Penn

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

2. Name of Operator
Charles B Gillespie, Jr.

3. Address of Operator
P.O. Box 8 Midland, Tx. 79702

4. Well Location
Unit Letter P : 3300 Feet From The south Line and 985 Feet From The east Line
Section 1 Township 16-S Range 35-E NMPM Lea N.M. County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3967 GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	OTHER: ☐
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.

- (1) Set 5 1/2 CIBP @ 10,350' cap w/4 sacks cement
- (2) Load hole w/mud
- (3) Spot 25 sacks cement plug @ 7500'
- (4) spot 50 sack cement plug @ 8 3/8 shoe 4751' to cover 8 5/8 & 5 1/2 liner top W.O.C. tag plug @ 4476'
- (5) Spot 35 sack cement plug @ 414'
- (6) Spot 15 sack cement at surf., set P&A marker 8/31/1993

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

SIGNATURE Raymond Maldonado TITLE Superintendent DATE _____
TYPE OR PRINT NAME _____ TELEPHONE NO. _____

(This space for State Use)

OIL & GAS INSURANCE

1000 05 1000

OPERATOR Charles B. Gillespie Jr.		DATE DHA 1995	
LEASE State B	WELL No. 1	LOCATION P 1-16-35	

Surface
Plug

Plug
414

13 $\frac{3}{8}$ casing set at 365 with 350 sx of C cement
Hole size 17 $\frac{1}{4}$ Circ

Plug
across liner
top & shoe
Tag 4476

4527 ' Liner top
8 $\frac{5}{8}$ " casing set at 4701 ' with 1850 sx of C cement
Hole size 11 " Circ

← Plug 7500'

Hole loaded w/ mud

← cement
← CIBP

5 $\frac{1}{2}$ " liner set at 10677 ' with 200 sx of
C cement. Total depth 10677 ' Hole size 7 $\frac{3}{8}$

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Energy, Minerals and Natural Resources Department

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Revised 1-1-89

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Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.

30-025-03736

5. Indicate Type of Lease

STATE ☒

PER ☐

6. State Oil & Gas Lease No.

E 9335-S

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

STATE " T "

1. Type of Well:

Oil

☐

Gas

☐

Other

TA

2. Name of Operator

BABER WELL SERVICING CO.

8. Well No.

3

3. Address of Operator

P.O. BOX 1772 Hobbs NM 88240

9. Pool name or Wildcat

TOWNSEND PERMO UPPER PENN

4. Well Location

Unit Letter N : 3300 Feet From The SOUTH Line and 1551 Feet From The WEST Line

Section 6 Township 16-S Range 36-E NMPM LEA County

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

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☒

PULL OR ALTER CASING ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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. RUN TUBING TO 9518' AND SPOT W/25 SKS AND WOC.
2. TAGGED PLUG AT 9400'
3. LOAD HOLE W/MUD
4. CUT AND LAID DOWN 4992' OF 5 1/2" CASING
5. SPOT 25 SKS CEMENT PLUG AT 6500'
6. SPOT 140 SKS CEMENT PLUG AT 5 1/2" STUB 5050' AND WOC
7. TAGGED PLUG AT 4927' SPOT W/60SKS CEMENT AND WOC
8. TAGGED PLUG AT 4670' SPOT W/45 SKS CEMENT AND WOC
9. TAGGED PLUG AT 4618'
10. SPOT 30 SKS CEMENT PLUG AT 2039'
11. SPOT 15 SKS CEMENT AT SURF AND SET UP P&A MARKER.

7/14/91
H.B. on loc
(Biller)

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

SIGNATURE

TITLE

P&A SUPERVISOR

DATE

8-14-91

TYPE OR PRINT NAME

RAYMOND MALDONADO

TELEPHONE NO.

(505)397-3502

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR <u>Baker Well Service</u>		DATE <u>2-1-1991</u>	
LEASE <u>State T</u>	WELL No. <u>3</u>	LOCATION <u>N-6-16-36</u>	

Surface
Plug



13 $\frac{3}{8}$ " casing set at 376 ' with 400 sx of C cement
Hole size 17 $\frac{1}{4}$ " circ.

← Plug at 2039

← shoe Plug tag at 4668

Tag at 4927

cut csg
4922

8 $\frac{5}{8}$ " casing set at 4704 ' with 1482 sx of C cement
Hole size 12 $\frac{1}{4}$ " circ

← Plug at 9518
Tag 9400

Hole loaded with Mud

C.B.P.

5 $\frac{1}{2}$ " casing set at 10736 ' with 300 sx of C cement
Total depth 10736 ' Hole size 7 $\frac{7}{8}$ " Tag 9535

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-025-03734
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E9335-S
7. Lease Name or Unit Agreement Name: STATE "T"
8. Well No. 1
9. Pool name or Wildcat Townsend Permo Upper Penn

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
Pronghorn Management Corporation

3. Address of Operator
P. O. Box 1772 Hobbs, NM 88241

4. Well Location
Unit Letter M : 2970 feet from the South line and 330 feet from the West line
Section 6 Township 16-S Range 36-E NMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
3965' RKB

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 ☐ MULTIPLE COMPLETION ☐

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 of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

1. Set GIBP @ $\pm 10,100'$, Cap with 35' cement
2. Circulate hole with mud laden fluid.
3. Nipple up to 5 $\frac{1}{2}$ " casing. Stretch, cut and pull $\pm 7000'$ csg.
4. Spot cement plug 50' in and out of stub. WOC and tag.
5. Spot 100' cement plug 4680' - 4780'. (Int. csg. shoe) WOC and Tag.
6. Spot 100' cement plug 1939' - 2039'. (Top of salt) WOC and Tag.
7. Spot 10 sx. surface plug.
8. Erect dry hole marker. Clean location.

25 SX OR 100' WHICHEVER IS GREATER
F/350' to 250' - TAG (13 $\frac{3}{8}$ SHOE)

THE COMMISSION MUST BE NOTIFIED 24
HOURS PRIOR TO THE BEGINNING OF
PLUGGING OPERATIONS FOR THE C-103
TO BE APPROVED

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

SIGNATURE G. A. Baber TITLE Partner DATE 4/7/00

Type or print name G. A. BABER Telephone No 505-393-9176
(This space for State use)

APPROVED BY [Signature] ORIGINAL SIGNATURE TITLE DATE 11/7/00
Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office

District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

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.)		WELL API NO. 30-025-03735
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Pronghorn Management Corporation		6. State Oil & Gas Lease No. E9335-S
3. Address of Operator P. O. Box 1772 Hobbs, NM 88241		7. Lease Name or Unit Agreement Name: STATE "T"
4. Well Location Unit Letter L 4290 feet from the South line and 500 feet from the West line Section 6 Township 16-S Range 36-E NMPM Lea County		8. Well No. 2
10. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. Pool name or Wildcat Townsend Perms Upper Penn

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 ☐ MULTIPLE COMPLETION ☐
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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

1. Set C.I.B.P. @ 10,100'. Cap with 35' cement.
2. Circulate hole with mud laden fluid.
3. Nipple up to 5 1/2" casing. Stretch, cut and pull ± 7000' casing.
4. Spot cement plug 50' in and out of stub. WOC - Tag.
5. Spot 100' cement plug 4799'-4699'. (Int. csg. shoe) WOC - Tag.
6. Spot 100' cement plug 2074'-1974'. (Top of salt) WOC - Tag.
7. Spot 10 sx. surface plug.
8. Erect dry hole marker. Clean location.

25 SX PLUG OR 100' WHICHEVER IS GREATER
F 421' to 321' - TAG

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

SIGNATURE G. A. Baber TITLE Partner DATE 4/7/00

Type or print name G. A. BABER Telephone No. 505-393-9176
(This space for State use)

APPROVED BY GARY WINK DATE 4/7/00
Conditions of approval, if any: FIELD REP. II

THE COMMISSION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS FOR THE C-103 TO BE APPROVED

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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.	30-025-03737
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	E 9335-5
7. Lease Name or Unit Agreement Name	
STATE "T"	
8. Well No.	4
9. Pool name or Wildcat	Permo Gopper TOWNSEND-WOLF CAMP Penn

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 BABER WELL SERVICING COMPANY	
3. Address of Operator P.O. BOX 1772 HOBBS, NM 88241	
4. Well Location Unit Letter <u>K</u> : <u>4620</u> Feet From The <u>South</u> Line and <u>1885</u> Feet From The <u>West</u> Line Section <u>6</u> Township <u>16-S</u> Range <u>36-E</u> NMPM LEA County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3958'	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☒	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	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.

- 1) M.I.R.U.
- 2) Install 6" - 900 B.O.P.
- 3) Unable to unseat anchor at 10,400'.
- 4) Received permission from NMOCC to cut tbg.
- 5) Cut tbg @ 10,400'.
- 6) Tag plug @ 10,000'.
- 7) Set 35 sks plug @ 7,500'.
- 8) Tag plug @ 7,500'.
- 9) File application to make disposal well
- 10) Shut in well
- 11) Temporarily abandon well

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

SIGNATURE G.A. Baber, Jr. TITLE CHRMN OF BOARD DATE 10/18/93
TYPE OR PRINT NAME G.A. BABER, JR. TELEPHONE NO. 392-5516

(This space for State Use)

Orig. Signed by
Paul Kauts
Geologist

APPROVED BY _____ TITLE _____ DATE OCT 21 1993

CONDITIONS OF APPROVAL, IF ANY:

Submit 5 Copies
Appropriate District Office
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-104
Revised 1-1-89
See Instructions
at Bottom of Page

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator PRONGHORN MANAGEMENT CORPORATION (22811)		Well API No. 30-025-03737
Address P.O. BOX 1772 HOBBS, NM 88241		
Reason(s) for Filing (Check proper box) XXX Other (Please explain) MAY 01 1994 New Well ☐ Change in Transporter of ☒ OPERATOR NAME CHANGE ONLY Recompletion ☐ Oil ☐ Dry Gas ☐ Change in Operator ☐ Condensate Gas ☐ Condensate ☐		
If change of operator give name and address of previous operator BABER WELL SERVICING COMPANY P.O. BOX 1772 HOBBS, NM 88241		

II. DESCRIPTION OF WELL AND LEASE

Lease Name STATE T (14991)	Well No. 4	Pool Name, including Formations (598117) TOWNSEND PERMO UPPER PRNN	Kind of Lease (State, Federal or Free) State	Lease No. R-9335
Location Uplift Letter K : 4620 Feet From The FSL Line and 1885 Feet From The FWL Line Section 06 Township 16S Range 36E NMPM, 1EA County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil or Condensate Texas NM Pipeline (222628)	Address (Give address to which approved copy of this form is to be sent) T/A
Name of Authorized Transporter of Gas or Dry Gas Warren Petroleum (224650)	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rgn. Is gas actually connected? When?

If this

IV. 1

D

Dist

Elev

Perf

O-TRNSP. OGRID NO. **023628**
G-TRNSP. OGRID NO. **024650**
OIL POD NO. **501516**
GAS POD NO. **501530**
NT
501550

(X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Compl. Ready to Prod.			Total Depth			P.B.T.D.		
Name of Producing Formation			Top Oil/Gas Pay			Tubing Depth		
						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
CASING & TUBING SIZE			DEPTH SET			SACKS CEMENT		
TEST FOR ALLOWABLE								
or recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.								
Date of Test			Producing Method (Flow, pump, gas lift, etc.)					
Tubing Pressure			Casing Pressure			Choke Size		
Oil - Bbls.			Water - Bbls.			Gas - MCP		
Length of Test			Bbls. Condensate/MCHP			Gravity of Condensate		
Tubing Pressure (Shut-in)			Casing Pressure (Shut-in)			Choke Size		

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations 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 **Sherry Wade**
Printed Name **SHERRY WADE** Title **PRODUCTION CLERK**
Date **3-5-94** Telephone No. **(505) 392-5516**

OIL CONSERVATION DIVISION

Date Approved **MAY 20 1994**
By **Paul Ranta** Drig. Signed by
Title **Geologist**

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

JUN 27 1993

WELL API NO.	30-025-03731
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Snyder "D"
8. Well No.	1
9. Pool name or Wildcat	Townsend Perm & Upper Penn
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3959 GR

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 CHARLES B GILLESPIE JR.
3. Address of Operator P.O. BOX 8 Midland, Tx. 79702	4. Well Location Unit Letter F : 2336 Feet From The North Line and 1916 Feet From The West Line Section 6 Township 16-S Range 36-E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3959 GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:		
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		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) 5 1/2 CIBP was set @ 10,500 in 1991
(2) Load hole w/mud
(3) Spot 25 sks cement plug @ 7500'
(4) Spot 60 sks cement plug @ 4,764' to cover 8 5/8 shoe & 5 1/2 liner top W.O.C.
Tag plug @ 4545', added 20 sks cement to bring cement plug up higher
(5) Spot 40 sks cement plug @ 412', W.O.C., tag plug @ 287'
(6) Spot 15 sks cement plug @ surf, set P&A marker

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

SIGNATURE [Signature] TITLE Sp. Rep. (P&A) DATE 9-22-93

TYPE OR PRINT NAME [Name] TELEPHONE NO. [Number]

(This space for State Use)

APPROVED BY [Signature] TITLE [Title] DATE 10-10-93

CONDITIONS OF APPROVAL, IF ANY:

JC

OPERATOR	Charles B. Gillespie Jr		DATE	P+1A 1993
LEASE	Snyder D	WELL No.	LOCATION F S+6 T14 R36 E	

surface plug

Plug at
Shoe + Tag

13 $\frac{3}{8}$ casing set at 362 ' with 225 sx of C cement
Hole size 17 $\frac{3}{4}$ " circulated

Plug to
Cover shoe to
liner top

4553 ' Liner top

8 $\frac{1}{2}$ " casing set at 4714 ' with 2050 sx of C cement
Hole size 12 $\frac{1}{4}$ " circulated

Plug at 7500

Hole loaded w/ mud

← CIBP 10500

5 $\frac{1}{2}$ " liner set at 10724 ' with 300 sx of
C cement. Total depth 10724 ' Hole size 7 $\frac{7}{8}$ "

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 16S Range: 36E Sections: 6

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 02/27/2002

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
L	16S	36E	06				20	40	65	56

Record Count: 20

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: **16S** Range: **36E** Sections: **6**

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☒ Domestic ☐ All

Well / Surface Data Report Avg Depth to Water Report Water Column Report

WELL / SURFACE DATA REPORT 02/27/2002

DB File Nbr	Use	(acre ft per annum)	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	q	X	Y	UTM Zone	ka
L 03104	PRO	3	WARREN & BRADSHAW EXPLORATION	L 03104	Shallow	16S	36E	06	1						13	6
L 03697	PRO	3	CACTUS DRILLING CORP.	L 03697	Shallow	16S	36E	06	1						13	6
L 03773	PRO	3	CACTUS DRILLING CORP.	L 03773	Shallow	16S	36E	06							13	6
L 03797	DOM	3	W.M. SNYDER	L 03797	Shallow	16S	36E	06							13	6
L 03862	PRO	3	FIRST BLACK STOCK	L 03862	Shallow	16S	36E	06							13	6
L 06206	DOM	3	CLARENCE EUGENE LUCE	L 06206	Shallow	16S	36E	06							13	6
L 07110	DOM	3	MELVIN J. DICKERSON	L 07110	Shallow	16S	36E	06	3						13	6
L 07187	DOM	3	LARRY WHITE	L 07187	Shallow	16S	36E	06	3						13	6
L 07313	DOM	3	LARRY L. WHITE	L 07313	Shallow	16S	36E	06	3						13	6
L 07430	DOM	3	GILBERT ARREOLA	L 07430	Shallow	16S	36E	06	3						13	6
L 08466	DOM	3	EMPIRE DRILLING COMPANY	L 08466	Shallow	16S	36E	06	3						13	6
L 09962	DOM	3	JOSE M. MORENO	L 09962	Shallow	16S	36E	06	3						13	6
L 10024	DOM	3	LUPE F. MORENO	L 10024	Shallow	16S	36E	06							13	6
L 10577	DOM	3	ORBIT ENTERPRISES INC	L 10577	Shallow	16S	36E	06	3						13	6
L 10628	DOM	3	LITTLE BILLY E AND MARSHA R	L 10628	Shallow	16S	36E	06	3						13	6
L 10657	PRO	0	CHESAPEAKE OPERATING	L 10657	Shallow	16S	36E	06	3						13	6
L 10705	PRO	0	CHARLES B JR GILLESPIE	L 10705	Shallow	16S	36E	06	3						13	6
L 10733	PRO	0	PATTERSON DRILLING COMPANY	L 10733	Shallow	16S	36E	06	3						13	6
L 10752	PRO	0	GILLESPIE OIL COMPANY	L 10752	Shallow	16S	36E	06	3						13	6
L 11149	DOM	3	CARROLL W. BELIAH	L 11149	Shallow	16S	36E	06	1						13	6

Record Count: 25



PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88242
FAX TO:

Receiving Date: 02/27/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: WATSON 6
Project Location: LOVINGTON, NM

Sampling Date: 02/27/02
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM

LAB NUMBER SAMPLE ID	P-Alkalinity (mg/L)	T-Alkalinity (mg/L)	Hardness (mg/L)	Chloride (mg/L)	Sulfates (mg/L)	pH (s.u.)
ANALYSIS DATE	02/28/02	02/28/02	02/28/02	02/28/02	02/28/02	02/28/02
H6551-1 SECT 6 MILL	0	173	240	48	80	7.51
Quality Control	NR	NR	48	1040	52.66	7.08
True Value QC	NR	NR	50	1000	50.00	7.00
% Accuracy	NR	NR	96.0	104	105	101
Relative Percent Difference	NR	NR	1.2	2.0	0.6	0.1

METHODS:	EPA 600/4-79-02	-	-	130.2	325.3	375.4	150.1
	Standard Method	2320 B	2320 B	-	-	-	-

LAB NUMBER SAMPLE ID	Hydroxides (mg/L)	Carbonates (mg/L)	Bicarbonates (mg/L)	Conductivity (umhos/cm)	TDS (mg/L)
ANALYSIS DATE	02/28/02	02/28/02	02/28/02	02/28/02	02/28/02
H6551-1 SECT 6 MILL	0	0	211	621	427
Quality Control	NR	NR	975	1489	NR
True Value QC	NR	NR	1000	1413	NR
% Accuracy	NR	NR	97.5	105	NR
Relative Percent Difference	NR	NR	2.7	0.3	5.1

METHODS:	EPA 600/4-79-02	-	-	-	120.1	160.1
	Standard Method	2320 B	2320 B	2320 B	-	-

Amy Hill
Chemist

3-1-02
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H6551

<u>POOL</u>	<u>LOCATION</u>	<u>CHLORIDES</u>
Dean Permo Pennsylvanian	↓ 5-16-37	44,730
Dean Devonian	↓ 35-15-36	19,525
Denton Wolfcamp	↓ 2-15-37	37,275
Denton Devonian	↓ 26-14-37	37,062
South Denton Wolfcamp	↓ 26-15-37	54,315
South Denton Devonian	↓ 36-15-37	34,080
Medicine Rock Devonian	↓ 15-15-38	39,760
Little Lucky Lake Devonian	↓ 29-15-30	23,288
Wantz Abo	↓ 26-21-37	132,770
Crosby Devonian	↓ 18-25-37	58,220
Scarborough Yates Seven Rivers	↓ 7-26-37	3,443 (Reef)
Teague Simpson	↓ 34-23-37	114,665
Teague Ellenburger	↓ 34-23-37	120,345
Rhodes Yates Seven Rivers	↓ 27-26-37	144,485
House San Andres	↓ 11-20-38	93,365
House Drinkard	↓ 12-20-38	49,700
South Leonard Queen	↓ 24-26-37	115,375
Elliott Abo	↓ 8-21-38	55,380
Scharb Bone Springs	↓ 5-19-35	30,601
EK Queen	↓ 13-18-34	41,890
East EK Queen	↓ 22-18-34	179,630
Maljamar Grayburg San Andres	↓ 22-17-32	46,079
Maljamar Paddock	↓ 27-17-32	115,375
Maljamar Devonian	↓ 22-17-32	25,418
Salt Lake Yates	↓ 7-20-33	6,781 (Reef)
Teas Yates Seven Rivers	↓ 11-20-33	22,152 (Reef?)

<u>POCL</u>	<u>LOCATION</u>	<u>CHLORIDES</u>
North Justis Montoya	↘ 2-25-37	45,440
North Justis McKee	↘ 2-25-37	58,220
North Justis Fusselman	↘ 2-25-37	68,533
North Justis Ellenburger	↘ 2-25-37	34,151
Fowler Blinebry	↘ 22-24-37	116,085
Skaggs Grayburg	↘ 18-20-38	84,845
Warren McKee	↘ 18-20-38	85,910
Warren Abo	↘ 19-20-39	91,600
DK Drinkard	↘ 30-20-39	106,855
Littman San Andres	↘ 8-21-38	38,695
East Hobbs Grayburg	↘ 29-18-39	6,461
Halfway Yates	↘ 16-20-32	14,768
Arkansas Junction San Andres	↘ 12-18-36	7,171
Pearl Queen	↘ 28-19-35	114,310
Midway Abo	↘ 17-17-37	36,494
Lovington Abo	↘ 31-16-37	22,933
Lovington San Andres	↘ 3-16-37	4,899
Lovington Paddock	↘ 31-16-37	93,720
West Lovington San Andres	--	65,320
Mesa Queen	↘ 17-16-32	172,530
Kemnitz Wolfcamp	↘ 27-16-34	49,345
Hume Queen	↘ 9-16-34	124,960
Anderson Ranch Wolfcamp	↘ 2-16-32	11,040
Anderson Ranch Devonian	↘ 11-16-32	25,702
Anderson Ranch Unit	↘ 11-16-32	23,785
Caudill Devonian	↘ 9-15-36	20,874
Townsend Wolfcamp	↘ 6-16-36	38,695

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-drilled 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 specific 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 quintuplicate 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 _____ 1914.0	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 2038.0	T. Strawn _____ 11436.0	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____ 11642.0	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 3117.0	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 4668.0	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 6224.0	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____ 7488.0	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____ 8218.0	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 9689.0	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

No. 1, from _____ 11452 _____ to _____ 11477 _____
 No. 2, from _____ to _____
 No. 3, 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	From	To	Thickness in Feet	Lithology
0.0	398.0	398.0	Sand gravel/caliche				
398.0	1914.0	1516.0	Red beds				
1914.0	3117.0	1203.0	Anhydrite & salt				
3117.0	4668.0	1551.0	Sand, Dolomite & Anhydrite				
4668.0	6224.0	1556.0	Dolomite				
6224.0	8218.0	1994.0	Sand & Dolomite				
8218.0	9689.0	1471.0	Dolomite & Shale				
9689.0	11800.0	2111.0	Limestone, Shale, Chert and sand				

LIST OF LANDOWNERS & OFFSET OPERATORS

LANDOWNER

State Land Office
310 Old Santa Fe Trail
Box 1148
Santa Fe, NM 87504-1148

OFFSET OPERATORS

Chesapeake Operating, Inc.
P.O. Box 18496
Oklahoma City, OK 73154-0496

Charles B. Gillespie, Jr.
Box 8, 500 W. Texas, Ste. 890
Midland, TX 79701

Pronghorn Management Corporation
Box 1772
Hobbs, NM 88241

Energen Resources Corporation
2198 Bloomfield Hwy.
Farmington, NM 87402

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Pronghorn Management Corp., P.O. Box 1772, Hobbs, NM 88241, is filing application for a commercial salt water disposal. The well being applied for is the State "T", well #2, located in Unit L, 4290/FSL and 500/FWL in Section 6, Township 16 S., Range 36 E., Lea Co., New Mexico. The injection formation is the San Andres and Glorieta from 6000' to 6200' below the surface. Expected maximum rate of injection will be 1500 bls. per day and the expected maximum injection pressure will be 1000 psi. Any questions about the application can be directed to Eddie W. Seay, (505)392-2236, or any objections or request for hearing must be directed to the Oil Conservation Division, (505)476-3440, Box 6429, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87504, within fifteen (15) days.

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOVINGTON DAILY LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of March 26, 2002 and ending with the issue of March 26, 2002.

And that the cost of publishing said notice is the sum of \$18.68 which sum has been (Paid) as Court Costs.

Joyce Clemens
Subscribed and sworn to before me this 26th day of March 2002

Debbie Schilling
Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2002

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, I hereby certify that I am a resident of the State of New Mexico.

I am applying for a commercial water disposal permit for the disposal of water from the well located on the 1/4 Section 8, Township 16 S., Range 10 E., Lea Co., New Mexico. The injection formation is the San Andres and Glorieta from

6000' to 6200' below the surface. Expected maximum rate of injection will be 1500 bbls. per day and the expected maximum injection pressure will be 1000 psi. Any questions about the application can be directed to Eddie W. Seay, (505) 392-2236, or any objections or request for hearing must be directed to the Oil Conservation Division, (505) 476-3440, Box 6429, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87504, within fifteen (15) days.

Published in the Lovington Daily Leader March 26, 2002.