

DATE 7/19/11	SUSPENSE 7/21/11	ENGINEER WVD	LOGGED IN 7/19/11	TYPE Sup	APP NO. PWD 1119257082
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



11 P 12:07

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

DKP, LLC
 Steam Con #3
 30-25-01235
 8/10/155/33E

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☒ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Eddie W Seay
 Print or Type Name

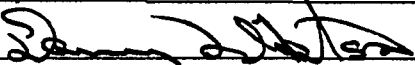
Eddie W Seay
 Signature

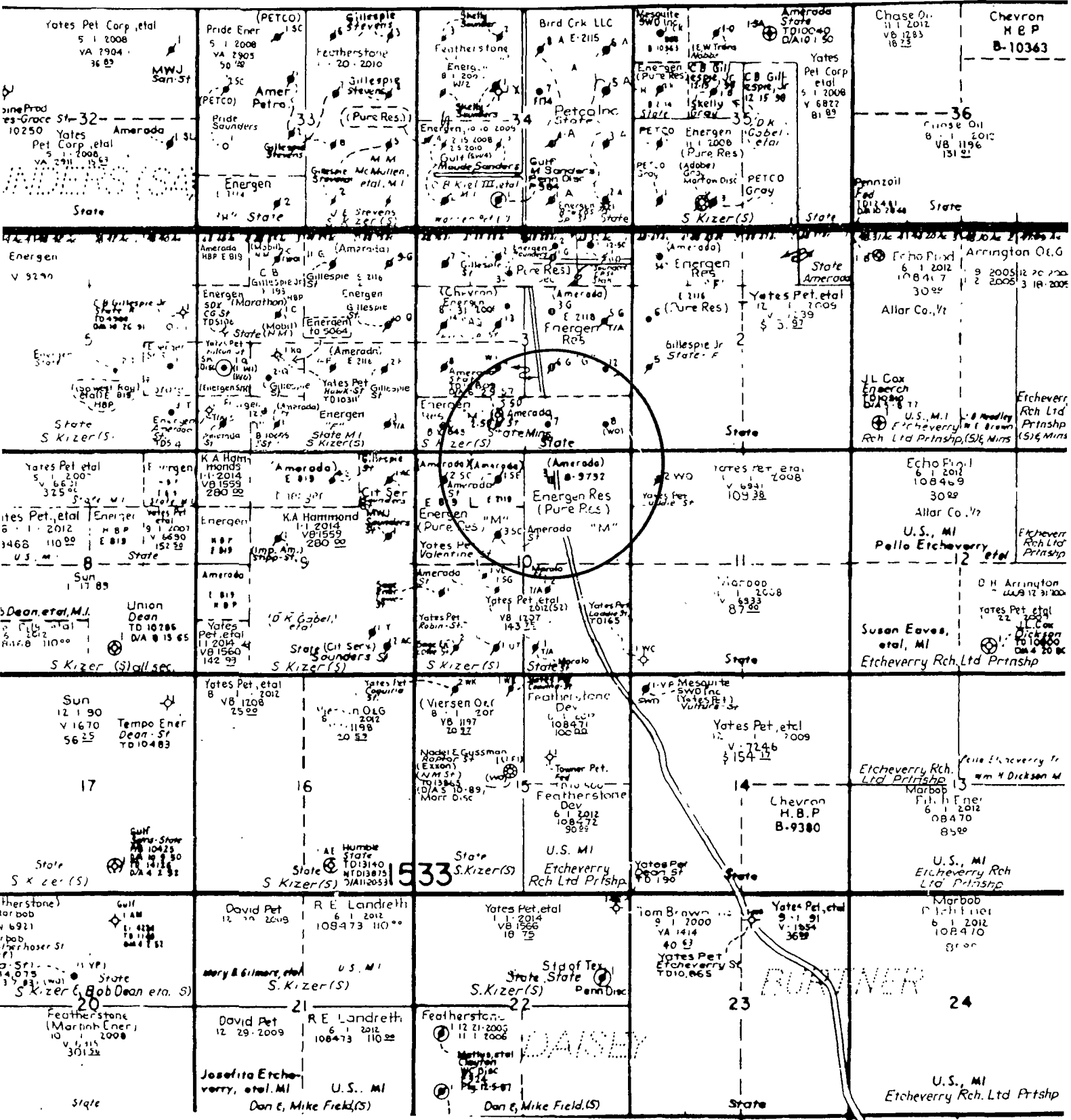
Agent
 Title

7/5/2011
 Date

seay 04 @ leaco . net
 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: DKD, LLC
ADDRESS: Box 682 Tatum, NM 88267
CONTACT PARTY: Danny Watson PHONE: 575-398-3494
- 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 X 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 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: Danny R. Watson TITLE: President
SIGNATURE:  DATE: 7/1/11
E-MAIL ADDRESS: kdkille@leaco.net
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____



Yates Pet. et al.
5.1.2008
VA 2904
36.03
MWJ
San-St

(PETCO)
Pride Ener
5.1.2008
VA 2905
50.00
Pride
Saunders
Energen
1.1.14
H. State

Gillespie
Stevens
Featherstone
20.2010
Energen
8.1.2009
WZ
Petal Inc
State

Bird Crk LLC
A E-2115
Energen
1.1.2008
VA 2906
50.00
Yates
Pet. Corp
etal
5.1.2008
VA 2907
50.00
S Kizer (S)

Chase Oil
11.1.2012
VB 1283
18.23
Chevron
H.B.P
B-10363
36
Chase Oil
8.1.2012
VB 1196
131.21
Pennzoil
Fed
10.1.14
DA 16744
State

Energen
V 9290
Gillespie Jr
State
S Kizer (S)

Amerada
HBP E 819
Energen
S.K. (Marathon)
CG SP
TDS 196
State (H.M.)
Yates Pet.
Fullon et al.
D.K. (W.)
Energen
1.1.14
HBP
State

Energen
1.1.2008
VA 2908
50.00
Yates Pet.
Fullon et al.
D.K. (W.)
Energen
1.1.14
HBP
State

Energen
1.1.2008
VA 2909
50.00
Yates Pet.
Fullon et al.
D.K. (W.)
Energen
1.1.14
HBP
State

Echo Prod
6.1.2012
108417
30.00
Allar Co., Vt
J.L. Cox
Enerch
10.1.14
DA 16744
State

Yates Pet. et al.
5.1.2008
VA 2910
32.50
State
Sun
1.1.7.83
Dean et al., M.I.
6.1.2012
VA 2911
110.00
U.S. MI
State

K.A. Hammond
1.1.2014
VB 1559
280.00
Energen
HBP
1.1.14
HBP
State

Amerada
1.1.2014
VB 1560
280.00
Energen
HBP
1.1.14
HBP
State

Energen Res
(Pure Res)
Amerada "M"
Yates Pet.
Fullon et al.
D.K. (W.)
Energen
1.1.14
HBP
State

Echo Prod
6.1.2012
108419
30.00
Allar Co., Vt
U.S. MI
Pello Etcheverry
1.1.2014
VA 2912
110.00
Etcheverry Rch Ltd Prtnshp

Sun
12.1.90
V 1670
56.25
Tempo Ener
Dean et al.
TD 10483
State
S Kizer (S)

Yates Pet. et al.
12.1.2012
VB 1208
25.00
State
S Kizer (S)

(Viersen Orl
8.1.2012
VB 1197
20.12
State
S Kizer (S)

Yates Pet. et al.
12.1.2012
VB 1209
25.00
State
S Kizer (S)

Etcheverry Rch.
Ltd Prtnshp
Pello Etcheverry Jr
1.1.2014
VA 2913
110.00
U.S. MI
Etcheverry Rch Ltd Prtnshp

Featherstone
1.1.2008
VA 2914
110.00
State
S Kizer (S)

David Pet
12.29.2009
R.E. Landreth
6.1.2012
108473
110.00
U.S. MI
State

Featherstone
1.1.2008
VA 2915
110.00
State
S Kizer (S)

Yates Pet. et al.
12.29.2009
R.E. Landreth
6.1.2012
108473
110.00
U.S. MI
State

Etcheverry Rch.
Ltd Prtnshp
Pello Etcheverry Jr
1.1.2014
VA 2916
110.00
U.S. MI
Etcheverry Rch Ltd Prtnshp

ATTACHMENT TO APPLICATION C-108

State M Com #3 (API 30-025-01235)
Unit B, Sect. 10, Tws. 15 S., Rng. 33 E.
Lea Co., NM

III. WELL DATA

- A.
 - 1) See injection well data sheets and attached schematics.
 - 2) See injection well data sheets and attached schematics.
 - 3) 2 7/8" plastic coated tubing.
 - 4) Baker Loc Set.

- B.
 - 1) Injection formation is the Permo-Penn.
 - 2) Injection interval 9840' to 9990' in ~~open hole~~.
 - 3) Well was drilled as a producer.
 - 4) The next higher producing zone is the Wolfcamp at approximately 9140'.
The next lower producing zone is the Devonian at approximately 13550'.

IV. NO.

V. MAP ATTACHED.

VI. LIST OF WELLS AND DATA ATTACHED.

VII. DKD proposes to clean out well bore and CIBP down to 9990' , circulate hole clean, acidize perms from 9840' to 9990' . Run 2 7/8" IPC Tubing and packer and set at approximately 9740' . Test casing as OCD requires and put on injection.

- 1) Plan to inject approximately 3000 bpd of produced water as a commercial disposal.
- 2) Closed system.
- 3) Average injection pressure should be approximately 800# to 1200# or whatever limit OCD allows.
- 4) Analysis attached, only produced water.
- 5) Water from the surrounding area, Wolfcamp, San Andres, Permo-Penn and Devonian..

VIII. The proposed disposal formation is interbedded shale and limestone. The primary geologic formation is the Permo-Penn from 9700' to 10025' .

The fresh water formation in the area is the Ogallala which ranges in thickness from 100' to 160'. Analysis of water well attached.

IX. ACID AS NEEDED.

X. PREVIOUSLY SUBMITTED TO OCD.

XI. ATTACHED.

XII. I, Eddie W. Seay, have examined all available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zones and any underground source of drinking water pertaining to this well.

XIII. ATTACHED.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: DKD, LLCWELL NAME & NUMBER: State M. Com #3API 30.025.01235WELL LOCATION: 6601N 1989E
FOOTAGE LOCATIONB
UNIT LETTER10
SECTION155
TOWNSHIP33 E
RANGE

WELLBORE SCHEMATIC

FORM	DEPTH	COMPLETION SCHEMATIC	O-A																								
APINUM: 30-025-01235 OPERATOR: ENERGEN RESOURCES CORP LEASENAME: STATE M COM WELL NO. 3 SURFLOC: UL: B SEC: 10 TWN: 155 RNG: 33E 660 FNL 1980 FEL BHLOC: UL: B SEC: 10 TWN: 155 RNG: 33E 660 FNL 1980 FEL TD 10133 FBD 10006 KB GL DF POOL SAUNDERS;PERMO UPPER PENN PERFS 9840-9947 9970-9990 POOL SWD;PERMO UPPER PENN PERFS 9840-9947 9970-9990 Open Hole																											
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T. Salt	1634																										
B. Salt	2520																										
Yates	2690																										
San Andes	4228																										
Glorieta	5730																										
Abo	7779																										
Wolfcamp	9140																										
PLASTIC LINED 2 7/8 TBNG W/ PKR SET WITHIN 100' UPPER MOST PERF PERFS 9840-9990 TD 10133																											

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17 1/4 Casing Size: 13 3/8Cemented with: 250 SX. or _____ ft³Top of Cement: Surface Method Determined: Circ.

Intermediate Casing

Hole Size: 12 1/4 Casing Size: 9 5/8Cemented with: 1500 SX. or _____ ft³Top of Cement: 1847 Method Determined: TS

Production Casing

Hole Size: 7 7/8 Casing Size: 5 1/2Cemented with: 600 SX. or _____ ft³Top of Cement: 6733 Method Determined: TSTotal Depth: 10133

Injection Interval

9840 feet to 9990

(Perforated) or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8 Lining Material: IPC
 Type of Packer: Baker Loc set
 Packer Setting Depth: Approx 9740
 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? producer
from Permo - Penn
2. Name of the Injection Formation: Permo - Penn
3. Name of Field or Pool (if applicable): Saunders Permo Upper Penn
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.
only the Permo Penn / well has CIBP 9255
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
the zone overlying is the Wolfcamp at 9140
the zone underlying is the Devonian at 13550

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-025-01235																																											
FORM	DEPTH	OPERATOR: ENERGEN RESOURCES CORP																																												
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>13 3/8 @ 295 TOC @ 0'</p> <p>Rustler 1532</p> <p>T. Salt 1634</p> <p>B. Salt 2520</p> <p>Yates 2690</p> <p>San Andes 4228 8 5/8 @ 4230 TOC @ 1847'</p> <p>Glorieta 5730</p> <p>Abo 7779</p> <p>Wolfcamp 9140</p> <p>5 1/2 @ 10025 TOC @ 6733'</p> </div> <div style="width: 45%; text-align: right;"> <p>TOC 1847</p> <p>TOC 6733</p> <p>CIBP @ 9255</p> <p>PERFS 9840-9990</p> <p>TD 10133</p> </div> </div>		LEASENAME: STATE M COM																																												
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PROPOSED WELLBORE SCHEMATIC

COMPLETION SCHEMATIC		O-A	APINUM: 30-025-01235																																											
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PREPARED BY: Eddie Seay UPDATED: 06/17/11

Proposed SWD Well

API	Well Name	Well Num	Type	Lease	Stat	Twn	Rng	Sec	UL					Spud Date	Int Comp	Plugged On	TD	Current Operator
30-025-01235	STATE M COM	3	O	S	TA	15S	33E	10	B	660	N	1980	E	11/1/1951	12/26/1951		10133	ENERGEN RESOURCES CORP

Wells within 1/2 mile of proposed SWD

API	Well Name	Well Num	Type	Lease	Stat	Twn	Rng	Sec	UL					Spud Date	Int Comp	Plugged On	TD	Current Operator
30-025-01213	STATE G	6	O	S	P	15S	33E	3	J	1980	S	1980	E	07/21/1951	09/10/1951	04/26/1993	9935	CHARLES B GILLESPIE JR
30-025-01217	STATE M COM	4	O	S	P	15S	33E	3	N	660	S	1980	W	06/27/1951	08/15/1951	04/02/1984	9915	CHARLES B GILLESPIE JR
30-025-01218	SAUNDERS SALT WATER DISPOSAL	2	S	P	A	15S	33E	3	N	810	S	1980	W	02/10/1957	05/31/1957		14809	ENERGEN RESOURCES CORP
30-025-01233	STATE M COM	1	O	S	P	15S	33E	10	D	660	N	660	W	01/06/1952	03/06/1952	01/31/1994	10050	CHARLES B GILLESPIE JR
30-025-01234	STATE M COM	2	O	S	P	15S	33E	10	F	1980	N	1980	W	03/13/1952	05/23/1952	02/22/1994	10177	CHARLES B GILLESPIE JR
30-025-01237	STATE M COM	5	I	S	P	15S	33E	10	C	660	N	1980	W	08/25/1951	10/20/1951	05/30/1991	10077	CHARLES B GILLESPIE JR
30-025-28105	LADDIE WC STATE	2	O	S	P	15S	33E	11	D	660	N	660	W	12/30/1982	06/03/1983	01/16/1987	10245	YATES PETROLEUM CORP
30-025-28646	STATE 10	2	O	S	P	15S	33E	10	J	1980	S	1980	E	03/19/1984	05/05/1984	09/13/1990	10200	MARALO INC
30-025-28702	STATE M COM	7	O	S	P	15S	33E	3	O	660	S	1980	E	05/07/1984	07/03/1984	06/06/2006	10116	ENERGEN RESOURCES CORP
30-025-29285	STATE M COM	8	O	S	A	15S	33E	3	P	660	S	660	E	06/02/1985	07/13/1985		10259	ENERGEN RESOURCES CORP

Lost or lost 2008, then only water Producer, Plugged 5/11

San Antonio
SWD
4274-5640 open Hole
Since 11/15/58
Verbal

1870'

Distance to proposed SWD

API	Tw	Rng	Sec	U/L					latitude	longitude	Northing (m)	Easting (m)	Distance to SWD (m)	Distance to SWD (ft)	
30-025-01235	15S	33E	10	B	660	N	1980	E	33.0367315319321	-103.600169835452	3656230.092	630717.4072			
30-025-01208	15S	33E	3	B	660	N	1980	E	33.0520142914473	-103.600211197741	3657924.507	630690.9664	1694.62	5559.78	
30-025-01209	15S	33E	3	C	660	N	1980	W	33.0520174276275	-103.604432584837	3657919.608	630296.801	1741.08	5712.22	
30-025-01210	15S	33E	3	G	1980	N	1980	E	33.0483866293258	-103.600200482165	3657522.305	630697.3272	1292.37	4240.06	
30-025-01211	15S	33E	3	K	1980	S	1980	W	33.0439842048281	-103.604418981988	3657028.946	630309.9045	896.79	2942.21	
30-025-01212	15S	33E	3	H	2120	N	660	E	33.0479982900382	-103.595871141428	3657484.646	631102.1602	1312.23	4305.21	
30-025-01213	15S	33E	3	J	1980	S	1980	E	33.0439875037078	-103.600187740425	3657034.571	630705.0164	804.57	2639.68	<1/2 mile
30-025-01214	15S	33E	3	D	800	N	660	W	33.0516358566703	-103.608760096243	3657871.939	629893.2919	1837.07	6027.13	
30-025-01215	15S	33E	3	L	1980	S	660	W	33.0439808304318	-103.608747131397	3657023.209	629905.7437	1134.83	3723.19	
30-025-01216	15S	33E	3	A	660	N	660	E	33.0520110762801	-103.595883020881	3657929.547	631095.1034	1740.92	5711.68	
30-025-01217	15S	33E	3	N	660	S	1980	W	33.0403562191404	-103.604412828496	3656626.703	630315.8226	564.42	1851.77	<1/2 mile
30-025-01218	15S	33E	3	N	810	S	1980	W	33.0407684902412	-103.604413527766	3656672.413	630315.1501	597.88	1961.54	<1/2 mile
30-025-01219	15S	33E	3	F	2270	N	1980	W	33.0475923730656	-103.604425102614	3657428.992	630304.0183	1268.17	4160.66	
30-025-01220	15S	33E	3	E	2271	N	661	W	33.0475928388104	-103.608749979634	3657423.684	629900.1739	1446.56	4745.93	
30-025-01233	15S	33E	10	D	660	N	660	W	33.0367248516698	-103.608738187039	3656218.719	629917.2321	800.26	2625.51	<1/2 mile
30-025-01234	15S	33E	10	F	1980	N	1980	W	33.0331002255274	-103.604410709380	3655822.203	630326.7057	564.82	1853.08	<1/2 mile
30-025-01236	15S	33E	10	K	1980	S	1980	W	33.0294770235799	-103.604410659980	3655420.484	630332.0452	896.64	2941.74	
30-025-01237	15S	33E	10	C	660	N	1980	W	33.0367282255036	-103.604410759172	3656224.455	630321.3587	396.09	1299.50	<1/2 mile
30-025-08331	15S	33E	2	D	660	N	660	W	33.0520078607848	-103.591554844272	3657934.604	631499.2407	1875.27	6152.45	
30-025-23056	15S	33E	10	L	1980	S	660	W	33.0294761620417	-103.608738087951	3655415.028	629927.8817	1134.76	3722.97	
30-025-26612	15S	33E	3	M	660	S	660	W	33.0403528447441	-103.608740977904	3656620.966	629911.6451	895.56	2938.20	
30-025-27981	15S	33E	10	K	2310	S	1650	W	33.0303838328106	-103.605492554398	3655519.684	630229.6664	861.73	2827.18	
30-025-28026	15S	33E	11	M	330	S	330	W	33.0249436798607	-103.592584016106	3654932.589	631443.3394	1486.77	4877.86	
30-025-28105	15S	33E	11	D	660	N	660	W	33.0367355623819	-103.591514978474	3656241.344	631525.6659	808.34	2652.02	<1/2 mile
30-025-28132	15S	33E	10	N	660	S	1980	W	33.0258490246201	-103.604410610160	3655018.233	630337.3912	1270.04	4166.81	
30-025-28606	15S	33E	10	O	660	S	2310	E	33.0258496314055	-103.601239838926	3655022.239	630633.5401	1210.76	3972.31	
30-025-28646	15S	33E	10	J	1980	S	1980	E	33.0294778702496	-103.600161883758	3655425.858	630728.8631	804.32	2638.83	<1/2 mile
30-025-28702	15S	33E	3	O	660	S	1980	E	33.0403595209077	-103.600177883321	3656632.333	630711.2965	402.29	1319.84	<1/2 mile
30-025-28720	15S	33E	10	M	660	S	990	W	33.0258484037608	-103.607656181170	3655014.142	630034.2561	1394.71	4575.83	
30-025-28756	15S	33E	3	I	1980	S	660	E	33.0439908781842	-103.595859584712	3657040.341	631109.1784	899.99	2952.73	
30-025-29285	15S	33E	3	P	660	S	660	E	33.0403628953841	-103.595849727608	3656638.102	631115.4751	570.03	1870.17	<1/2 mile
30-025-29306	15S	33E	2	L	1980	S	400	W	33.0439919596787	-103.592383940248	3657044.806	631433.7357	1084.84	3559.20	
30-025-29307	15S	33E	2	E	2120	N	400	W	33.0479956983472	-103.592395483166	3657488.704	631426.7096	1444.72	4739.89	
30-025-36859	15S	33E	3	A	420	N	940	E	33.0526714051462	-103.596803049899	3658001.612	631008.2199	1795.23	5889.87	
30-025-37362	15S	33E	3	F	1810	N	2210	W	33.0488561053003	-103.603673098367	3657570.041	630372.3756	1383.66	4539.56	
30-025-38056	15S	33E	3	B	400	N	1940	E	33.0527288012195	-103.600082132641	3658003.889	630701.9616	1773.86	5819.77	
30-025-38543	15S	33E	3	C	990	N	2200	W	33.0511098845374	-103.603709694759	3657819.882	630365.6366	1628.24	5342.00	

COMPLETION SCHEMATIC

O-P

FORM

DEPTH

15 sx plug

13 3/8 @ 297

TOC @ 0'

80 sx plug

TOC @ 127

25 sxs plug

850-755

TOC 1167

100 sxs plug 4225-4106

8 5/8 @ 4230

TOC @ 889'

135 sxs plug 4800-5976

Cut & Pulled 5 1/2 @ 6045'

Junk @ 6049 unable to get below

TOC 7087

PERFS 9773-9844

OH 9910-9935

TD 9935

5 1/2 @ 9910

TOC @ 7087'

Rustler

1545

T. Salt

1646

B. Salt

2524

Yates

2690

San Andes

4225

Glorieta

5729

Abo

7773

Wolfcamp

9118

APINUM: 30-025-01213

OPERATOR: CHARLES B GILLESPIE JR

LEASENAME: STATE G

WELL NO. 6

SURF LOC: UL: J SEC: 3 TWN: 15S RNG: 33E

1980 FSL

1980 FEL

BH LOC: UL: J SEC: 3 TWN: 15S RNG: 33E

1980 FSL

1980 FEL

TD 9935

PBD

KB

DF

GL

POOL SAUNDERS;PERMO UPPER PENN

PERFS 9773-9797

9818-9544

OH 9910-9935

POOL

PERFS

Open Hole

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	297	250 sxs	17.5	0 Cir
INT1	8.625	4230	1500 sxs	11	889 TS
PROD	5.5	9910	600 sxs	7.875	7087 TS

SPUD: 07/12/1951

COMP: 09/10/1951

P&A: 04/26/1993

PREPARED BY: Eddie Seay

UPDATED 06/17/14

SPUD: 07/12/1951
COMP: 09/10/1951
P&A: 04/26/1993

PREPARED BY:	Eddie Seay	UPDATED	06/17/11
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COMPLETION SCHEMATIC		O-P	APINUM: 30-025-01217	
FORM	DEPTH		OPERATOR: CHARLES B GILLESPIE JR	
			LEASENAME: STATE M COM	
			WELL NO. 4	
			SURF LOC: UL: N SEC: 3 TWN: 15S RNG: 33E	
			660 FSL 1980 FWL	
			BH LOC: UL: N SEC: 3 TWN: 15S RNG: 33E	
			660 FSL 1980 FWL	
			TD 9915 PBD KB DF	
			GL	
			POOL SAUNDERS;PERMO UPPER PENN	
			PERFS 9805-9908	

	DEPTH
Rustler	1550
T. Salt	1653
B. Salt	2602
Yates	2699
San Andes	4225
Glorieta	5730
Abo	7778
Wolfcamp	9120

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	297	250 sxs	17.25	0 Cir
INT1	8.625	4235	1500 sxs	12.25	1180 TS
PROD	5.5	9915	600 sxs	7.875	6838 TS

13 3/8 @ 297 TOC @ 0'

10 sx plug

shot hole

circ to surface

Unable to pull 8 5/8 @ 1100 spot 25 sxs plug across 1100'

TOC 1180

8 5/8 @ 4235 TOC @ 1180'

125 sxs plug top of plug tagged @ 4235

50 sxs plug @ 4616-5004

Parted csng @ 5010 unable to get below

TOC 6838

Guiberson KVL-30 pkr @ 9773 w/ standing valve on top

PERFS 9805-9908

5 1/2 @ 9915 TOC @ 6838'

TD 9915

SPUD: 06/27/1951

COMP: 08/15/1951

P&A: 04/02/1984

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		SWD-A	APINUM: 30-025-01218																																											
FORM	DEPTH	OPERATOR: ENERGEN RESOURCES CORP																																												
		LEASENAME: SAUNDERS SALT WATER DISPOS WELL NO. 2																																												
		SURF LOC: UL: N SEC: 3 TWN: 15S RNG: 33E																																												
		BH LOC: UL: N SEC: 3 TWN: 15S RNG: 33E																																												
		810 FSL 1980 FWL																																												
		TD 14809 PBD 5650 KB DF																																												
		GL																																												
		POOL SAUNDERS;PERMO UPPER PENN																																												
		PERFS 11708-11756																																												
		11680-11690																																												
		11600-11680																																												
Rustler 1530		POOL																																												
T. Salt 1628		PERFS																																												
B. Salt 2512		Open Hole 4274-5650																																												
Yates 2680																																														
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San Andes 4212		SPUD: 02/10/1957																																												
		COMP: 05/31/1957																																												
Glorieta 5715																																														
Abo 7773																																														
Wolfcamp 9120																																														
Devonian 13555																																														
Granite 14777																																														
		TD 14809																																												

COMPLETION SCHEMATIC

APINUM: 30-025-01233

OPERATOR: CHARLES B GILLESPIE JR

LEASENAME: STATE M COM

WELL NO.	1
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SURF LOC:	UL:	D	SEC:	10	TWN:	15S	RNG:	33E
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660 FNL		660 FWL	
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BH LOC:	UL:	D	SEC:	10	TWN:	15S	RNG:	33E
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	660 FNL	660 FWL
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TD	10050	PBD	KB	DF
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GL

POOL
SAUNDERS;PERMO UPPER PENN

PERFS	9896-9914
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9845-9860

9800-9826

POOL

PERFS

Open Hole

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	295	250 sxs	17.25	0 Cir
INT1	8.625	4235	1500 sxs	11	1650 TS
PROD	5.5	9960	600 sxs	7.875	7172 TS

SPUD: 01/06/1952

COMP: 03/06/1952

P&A: 1994

PERFS 9800-9914

5 1/2
@ 9960
TOC @ 7172'

TD 10050

PREPARED BY: **Eddie Seay**

UPDATED

06/17/11

COMPLETION SCHEMATIC

O-P

APINUM: 30-025-01234

OPERATOR: CHARLES B GILLESPIE JR

LEASENAME: STATE M COM

WELL NO.	2
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LEASENAME: STATE IN COM				WELL NO. 2	
SURF LOC:	UL: F	SEC: 10	TWN: 15S	RNG: 33E	

	1980 FNL	1980 FWL
--	----------	----------

BH LOC:	UL: F	SEC: 10	TWN: 15S	RNG: 33E
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	1980 FNL	1980 FWL
--	----------	----------

TD	10177	PBD	KB	DF
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GL	
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POOL
SAUNDERS;PERMO UPPER PENN

PERFS	9790-9814
-------	-----------

9884-9914

9940-9970

POOL

PERFS

Open Hole

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	295	250 sxs	17.5	0 Cir
INT1	8.625	4235	1500 sxs	11	1023 TS
PROD	5.5	10085	600 sxs	7.875	7303 TS

SPUD: 09/13/1952

COMP: 05/23/1952

P&A: 02/22/1994

13 3/8
@ 295
TOC @ 0'

15 sx plug

85 sx plug
20-345

TOC @ 1023

Rustler	1530
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T. Salt	1629
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B. Salt 2588

Yates	2761
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55 sxs plug 3194-3326
Cut & pulled 5 1/2 @ 3271

San Andes

8 5/8
@ 4235
TOC @ 1023'

25 sxs plug @ 4285

Glorieta 5755

25 sxs plug @ 6500

Abo	7770
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TOC 7303

Wolfcamp 9119

CIBP @ 9500 cap w/ 5 sxs cmnt

PERFS 9790-9970

5 1/2
@ 10085
TOC @ 7303'

TD 10177

PREPARED BY: **Eddie Seay**

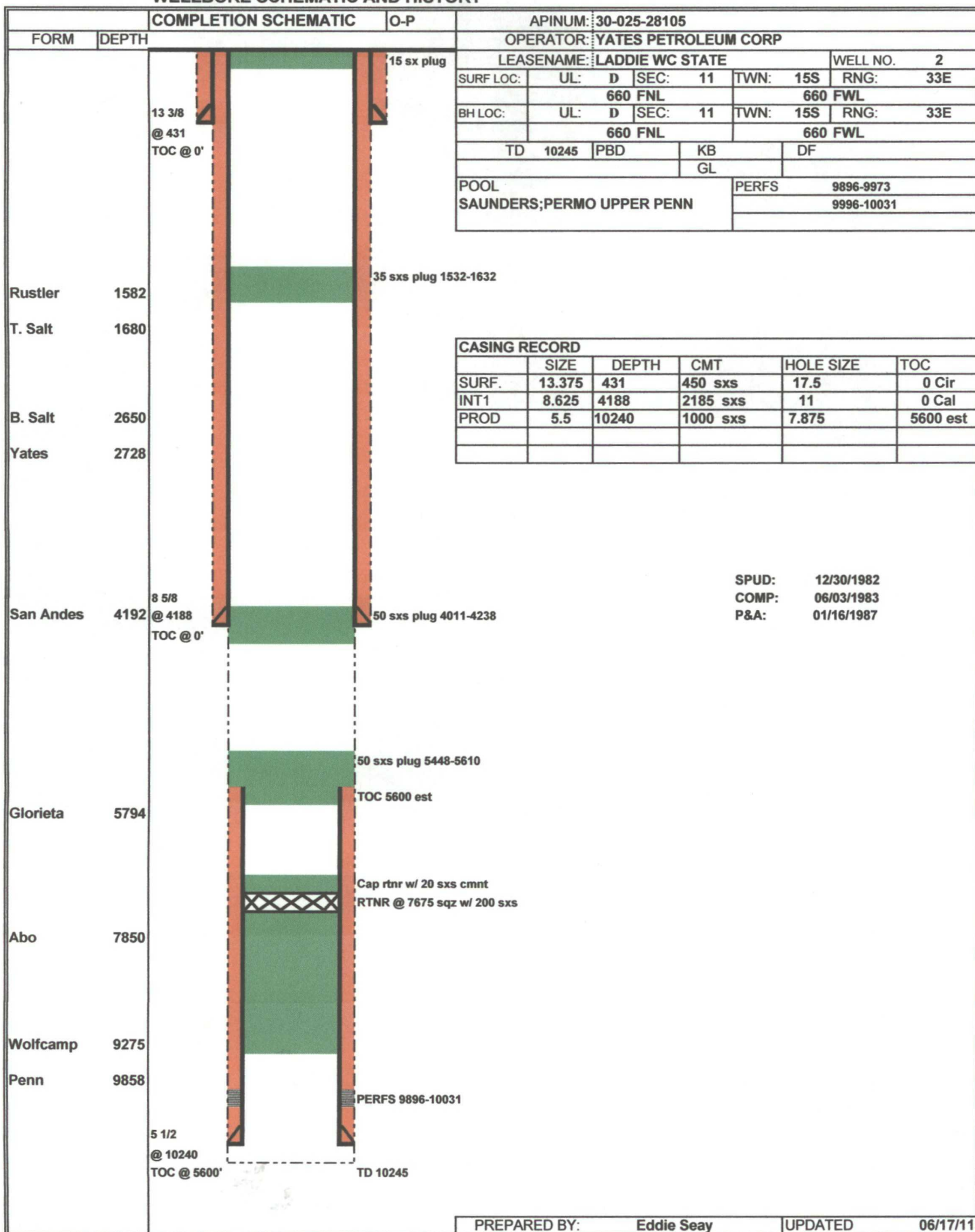
UPDATED

06/17/11

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		WIW-P	APINUM: 30-025-01237																																											
FORM	DEPTH		OPERATOR: CHARLES B GILLESPIE JR																																											
<div> <div>13 3/8 @ 297 TOC @ 0'</div> <div>150 sxs 201-308</div> <div>30 sxs plug 597-710 cut & pull 8 5/8 @ 657</div> <div>TOC 1659</div> <div>8 5/8 @ 4232 TOC @ 1659'</div> <div>25 sxs plug 6018-6123 cut & pull 5 1/2 @ 6073</div> <div>TOC 6738 25 sxs plug @ 7700</div> <div>CIBP @ 9650 cap w/ 2 sxs cmnt</div> <div>PERFS 9850-9920</div> <div>5 1/2 @ 9975 TOC @ 6738'</div> <div>TD 10077</div> </div>			LEASENAME: STATE M COM WELL NO. 5 SURF LOC: UL: C SEC: 10 TWN: 15S RNG: 33E 660 FNL 1980 FWL BH LOC: UL: C SEC: 10 TWN: 15S RNG: 33E 660 FNL 1980 FWL TD 10077 PBD KB DF GL POOL SAUNDERS;PERMO UPPER PENN PERFS 9850-9880 9890-9920 POOL PERFS Open Hole																																											
	Rustler	1527																																												
	T. Salt	1617																																												
	B. Salt	2486																																												
	Yates	2630																																												
	San Andes	4207																																												
	Glorieta	5740																																												
	Abo	7763																																												
	Wolfcamp	9108																																												
				SPUD: 08/25/1951 COMP: 10/20/1951 P&A: 05/30/1991																																										
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			PREPARED BY: Eddie Seay UPDATED 06/17/11																																											

WELLBORE SCHEMATIC AND HISTORY



		COMPLETION SCHEMATIC		O-P	APINUM: 30-025-28646							
FORM	DEPTH				OPERATOR: MARALO INC							
		<p>The diagram shows a well completion schematic from surface to total depth (TD) of 10200 feet. Key features include: - Surface casing: 13 3/8 inch diameter, cemented to 405 feet. - Intermediate casing: 8 5/8 inch diameter, cemented to 4000 feet. - Production casing: 5 1/2 inch diameter, extending to TD. - Perforations: Located between 9800 and 9900 feet depth. - Plug points: 10 sx plug at surface, 30 sx plug at 350-450 feet, 40 sx plug at 3940-4075 feet, and 25 sx plug at 5735-5835 feet. - Wellbore annotations: Rustler at 1540 feet, T. Salt at 1641 feet, B. Salt at 2419 feet, Yates at 2685 feet, San Andres at 4241 feet, Glorieta at 5783 feet, Abo at 7773 feet, and Wolfcamp at 9120 feet.</p>			LEASENAME: STATE 10			WELL NO. 2				
					SURF LOC:	UL: J	SEC: 3	TWN: 15S	RNG: 33E			
					1980 FSL			1980 FEL				
					BH LOC:	UL: J	SEC: 3	TWN: 15S	RNG: 33E			
					1980 FSL			1980 FEL				
					TD 10200	PBD	KB	DF				
								GL				
		POOL SAUNDERS;PERMO UPPER PENN					PERFS 9818-9998					
		POOL					PERFS					
							Open Hole					
		CASING RECORD										
			SIZE	DEPTH	CMT	HOLE SIZE	TOC					
		SURF.	13.375	405	400 sxs	17.5	0 Cir					
		INT1	8.625	4000	1400 sxs	11	0 Cir					
		PROD	5.5	10200	1180 sxs	7.875	4070 Cal					
		SPUD: 03/19/1984										
		COMP: 05/05/1984										
		P&A: 09/13/1990										
		PREPARED BY: Eddie Seay										
		UPDATED 06/17/19										

COMPLETION SCHEMATIC		O-P	APINUM: 30-025-28702	
FORM	DEPTH	OPERATOR: ENERGEN RESOURCES CORP		
		LEASENAME: STATE M COM		WELL NO. 7
		SURF LOC:	UL: 0 SEC: 3	TWN: 15S RNG: 33E
		660 FSL		1980 FEL
		BH LOC:	UL: 0 SEC: 3	TWN: 15S RNG: 33E
		660 FSL		1980 FEL
		TD 10116	PBD	KB DF
				GL
		POOL SAUNDERS;PERMO UPPER PENN		PERFS 9887-9844
				9896-9894
		25 sx plug 1150-1262		
Rustler	1552			
T. Salt	1651			
B. Salt	2535			
Yates	2701			
San Andes	4143	25 sx plug 4182-4305		
Glorieta	5730	25 sxs plug @ 6770-6871		
Abo	7780			
Wolfcamp	9130	Top cmnt plug @ 9826		
		PERFS 9887-9911		
		TD 10116		

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	437	365 sxs	17.75	0 Cir
INT1	8.625	4205	1700 sxs	11	0 Cir
PROD	5.5	10116	850 sxs	7.875	5390 Cal

SPUD: 05/07/1984
 COMP: 07/03/1984
 P&A: 06/06/2006

PREPARED BY: Eddie Seay	UPDATED 06/17/11
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-025-29285																									
FORM	DEPTH	OPERATOR: ENERGEN RESOURCES CORP																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>13 3/8 @ 400 TOC @ 0'</p> <p>Rustler 1562</p> <p>T. Salt 1660</p> <p>B. Salt 2560</p> <p>Yates 2700</p> <p>San Andes 4155 8 5/8 @ 4300 TOC @ 0'</p> <p>Glorieta 5780</p> <p>Abo 7796</p> <p>Wolfcamp 9144</p> <p>5 1/2 @ 10126 TOC @ 7150'</p> </div> <div style="width: 50%; border-left: 1px dashed black; padding-left: 10px;"> <p>REPAIR CSNG @ 5679 sqz w/ 150 sxs cmnt</p> <p>TOC 7150</p> <p>PERFS 9820-9875</p> <p>CIBP @ 9900</p> <p>PERFS 9978-9996</p> <p>TD 10259</p> </div> </div>		<p>LEASENAME: STATE M COM WELL NO. 8</p> <p>SURF LOC: UL: P SEC: 3 TWN: 15S RNG: 33E</p> <p>BH LOC: UL: P SEC: 3 TWN: 15S RNG: 33E</p> <p>660 FSL 660 FEL</p> <p>TD 10259 PBD KB DF</p> <p>GL</p> <p>POOL SAUNDERS;PERMO UPPER PENN PERFS 9978-9996 9820-9875</p> <p>POOL PERFS</p> <p>Open Hole</p>																										
		<p>CASING RECORD</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF.</td> <td>13.375</td> <td>357</td> <td>400 sxs</td> <td>17.5</td> <td>0 Cir</td> </tr> <tr> <td>INT1</td> <td>8.625</td> <td>4300</td> <td>1600 sxs</td> <td>11</td> <td>0 Cir</td> </tr> <tr> <td>PROD</td> <td>5.5</td> <td>10126</td> <td>910 sxs</td> <td>7.875</td> <td>7150 TS</td> </tr> </tbody> </table>				SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	13.375	357	400 sxs	17.5	0 Cir	INT1	8.625	4300	1600 sxs	11	0 Cir	PROD	5.5	10126	910 sxs	7.875	7150 TS
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		PROD	5.5	10126	910 sxs	7.875	7150 TS																					
		<p>SPUD: 06/02/1985</p> <p>COMP: 07/13/1985</p>																										
		<p>Operator submitted notice of intent to P&A well C-103 dated 02/08/2011</p>																										
		<p>1870' away</p>																										
		<p>PREPARED BY: Eddie Seay UPDATED 06/17/11</p>																										

Water Sample Analysis

Pool	Location			Chlorides
	Section	Township	Range	
North Justis Montoya	2	25S	37E	45440
North Justis McKee	2	25S	37E	58220
North Justis Fusselman	2	25S	37E	88533
North Justis Ellenburger	2	25S	37E	34151
Fowler Blinebry	22	24S	37E	116085
Skaggs Grayburg	18	20S	38E	84845
Warren McKee	18	20S	38E	85910
Warren Abo	19	20S	39E	91600
DK Drinkard	30	20S	39E	106855
Littman San Andres	8	21S	38E	38695
East Hobbs grayburg	29	18S	39E	6461
Halfway Yates	16	20S	32E	14768
Arkansas Junction San Andres	12	18S	36E	7171
Pearl Queen	28	19S	35E	114310
Midway Abo	17	17S	37E	36494
Lovinton Abo	31	16S	37E	22933
Lovington San Andres	3	16S	37E	4899
Lovington Paddock	31	16S	37E	93720
Mesa Queen	17	16S	32E	172530
Kemnitz Wolfcamp	27	16S	34E	49345
Hume Queen	9	16S	34E	124980
Anderson Ranch Wolfcamp	2	16S	32E	11040
Anderson Ranch Devonian	11	16S	32E	25702
Anderson Ranch Unit	11	16S	32E	23788
Caudill Devonian	9	15S	36E	20874
Townsend Wolfcamp	6	16S	36E	38695
Dean Permo Penn	5	16S	37E	44730
Dean Devonian	35	15S	36E	19525
South Denton Wolfcamp	26	15S	37E	54315
South Denton Devonian	36	15S	37E	34080
Medicine Rock Devonian	15	15S	38E	39760
Little Lucky Lake Devonian	29	15S	30E	23288
Wantz Abo	26	21S	37E	132770
Crosby Devonian	18	25S	37E	58220
Scarborough Yates Seven Rivers	7	26S	37E	3443(Reef)
Teague Simpson	34	23S	37E	114665
Teague Ellenburger	34	23S	37E	120345
Rhodes Yates 7 Rivers	27	26S	37E	144485
House SA	11	20S	38E	93365
House Drinkard	12	20S	38E	49700
South Leonard Queen	24	26S	37E	115375
Elliot Abo	2	21S	38E	55380
Scharb Bone Springs	5	19S	35E	30601
EK Queen	13	18S	34E	41890
East EK Queen	22	18S	34E	179630
Maljamar Grayburg SA	22	17S	32E	46079
Maljamar Paddock	27	17S	32E	115375
Maljamar Devonian	22	17S	32E	25418



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

[illegible]

Analytical Results For:

Eddie Seay Consulting
Eddie Seay
601 W. Illinois
Hobbs NM, 88242
Fax To: (505) 392-6949

Received: 06/28/2011
Reported: 07/06/2011
Project Name: DKD SWD
Project Number: DKD STAT M COM #3 - WW
Project Location: SECT 10 T 15 R. 33

Sampling Date: 06/28/2011
Sampling Type: Water
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

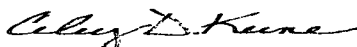
Sample ID: DKD WW #1 (H101340-01)

Bicarbonate 310.1M		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Alkalinity, Bicarbonate	156	5.00	06/28/2011	ND	976	97.6	1000	0.913	
Calcium SM3500Ca-D		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Calcium	80.2	1.60	06/29/2011	ND	48.1	96.2	50.0	4.08	
Carbonate 310.1M		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Alkalinity, Carbonate	<0.00	0.00	06/28/2011	ND	ND		0.00		
Chloride, SM4500Cl-B		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	72.0	4.00	06/29/2011	ND	112	112	100	3.64	
Conductivity 120.1		uS/cm	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Conductivity	672	1.00	06/28/2011	ND	1430	101	1410	0.149	
Magnesium SM3500MgE		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Magnesium	13.6	1.00	06/29/2011	ND	53.5	107	50.0	16.4	
pH		pH Units	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
pH	7.70	0.100	06/28/2011		7.05	101	7.00	0.00	
Potassium 8049		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
Eddie Seay
601 W. Illinois
Hobbs NM, 88242
Fax To: (505) 392-6949

Received: 06/28/2011
Reported: 07/06/2011
Project Name: DKD SWD
Project Number: DKD STAT M COM #3 - WW
Project Location: SECT 10 T 15 R. 33

Sampling Date: 06/28/2011
Sampling Type: Water
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

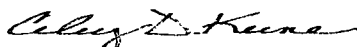
Sample ID: DKD WW #1 (H101340-01)

Potassium 8049		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Potassium	1.34	1.00	06/30/2011	ND	7.66	95.8	8.00	5.31	
Sodium Calculated		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sodium	24.0	1.00	06/30/2011	ND				0.154	
Sulfate 375.4		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate	78.3	10.0	06/29/2011	ND	39.2	98.0	40.0	1.70	
TDS 160.1		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS	399	5.00	06/30/2011	ND	270	112	240	0.605	
Total Alkalinity 310.1M		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Alkalinity, Total	128	4.00	06/28/2011	ND	800	97.6	820	1.12	

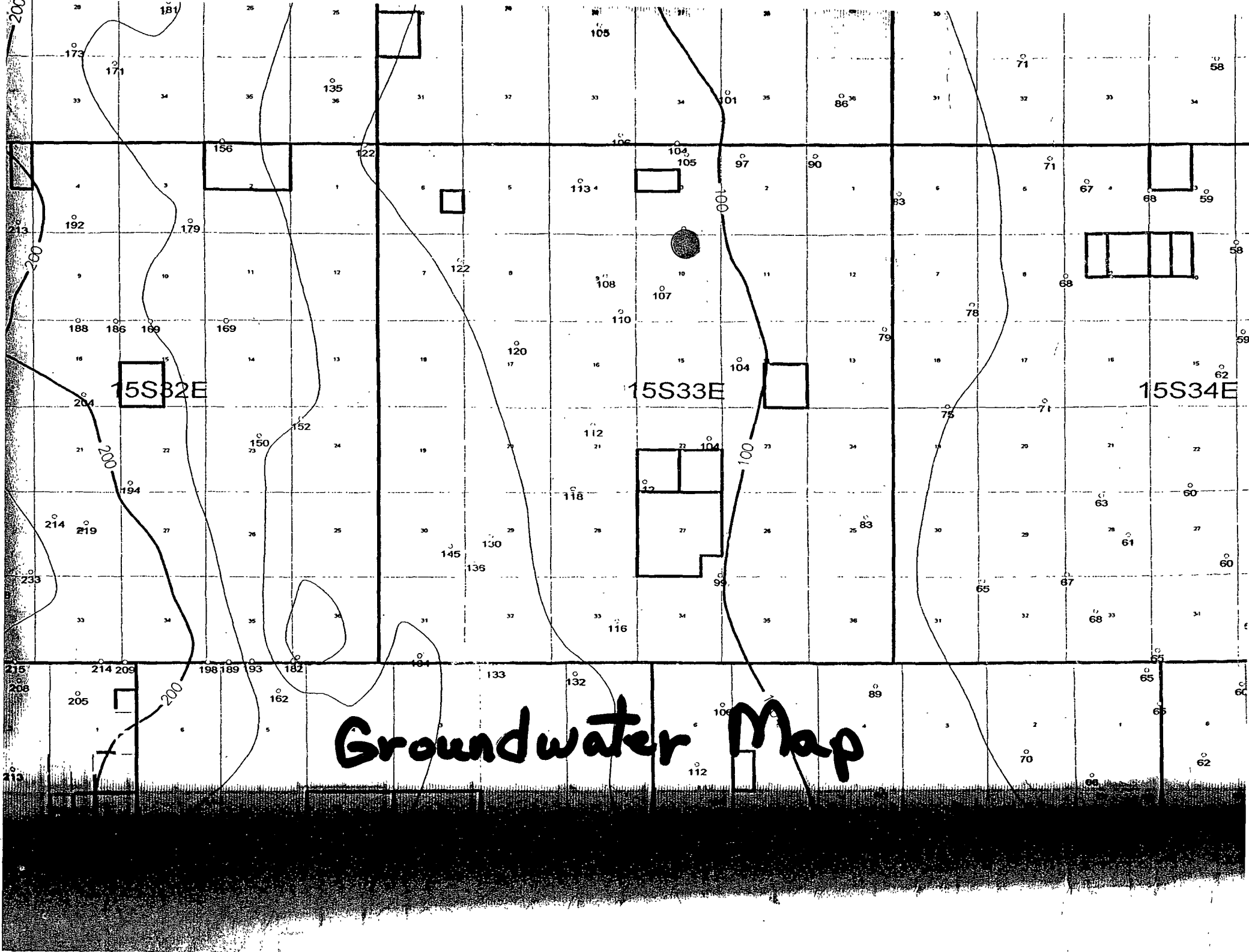
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Groundwater Map

OFFSET OPERATOR

LEASE HOLD OPERATORS

Energen Resources Corp.
2198 Bloomfield Hwy.
Farmington, NM 87401

Yates Petroleum Co.
105 S. 4th St.
Artesia, NM 88210

Amerada Hess Corp.
Box 840
Seminole, TX 79360

SURFACE OWNER

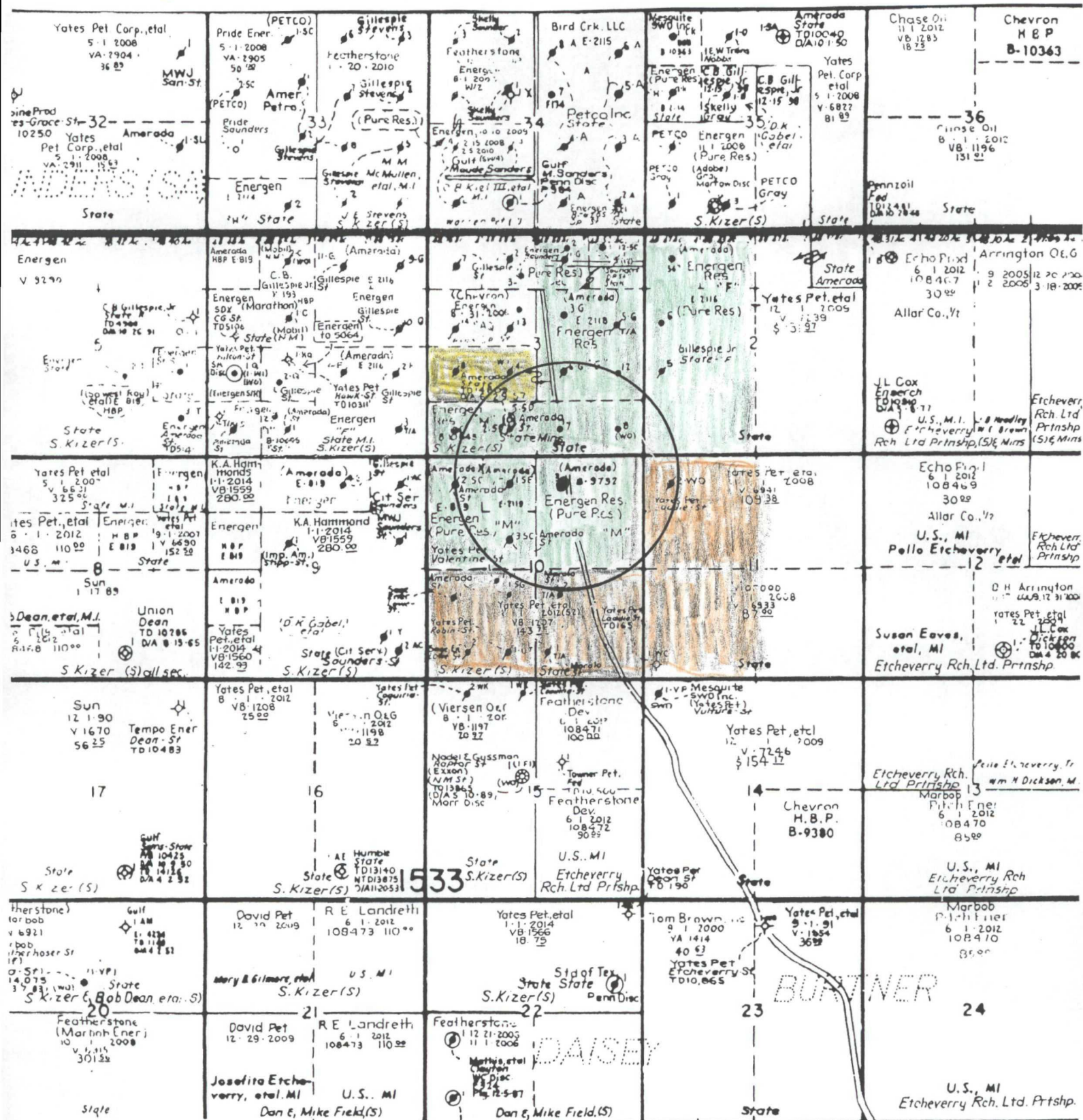
State of New Mexico
New Mexico State Land Office
310 Old Santa Fe Trail
Box 1148
Santa Fe, NM 87504

MINERAL INTEREST OWNER

State of New Mexico
New Mexico State Land Office
310 Old Santa Fe Trail
Box 1148
Santa Fe, NM 87504

Lease hold operators

- State of N.M. - Energen leased
- State of N.M. - Yates Pet leased
- State of N.M. - Amerada Hess leased



DKD, LLC

July 1, 2011

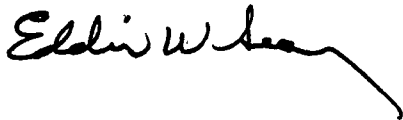
RE: State M Com #3
Unit B, Sect. 10, Tws. 15 S., Rng. 33 E.
Lea Co., NM
API 30-025-01235

Dear Sir:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108, Application for Authorization to Inject into the above captioned well.

Any questions about the permit can be directed to Eddie W. Seay, (575)392-2236. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, (505)476-3440.

Thank you,



Eddie W. Seay, Agent
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242
(575)392-2236
seay04@leaco.net

Mr. Will Jones
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: DKD, LLC State "M" Com Well No. 3
API No. 30-025-01235
NW/4 NE/4 (B) Sec. 10, T15S, R33E
Lea County, New Mexico

Dear Mr. Jones:

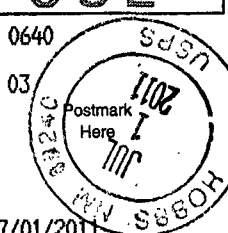
Energen Resources Corporation is the former operator of the above-referenced well which was recently transferred to DKD, LLC. Energen continues to own working interests and operate other wells in the vicinity of the State "M" Com Well No. 3. It is our understanding that DKD, LLC is making application to the NMOCD for authorization to convert the State "M" Com Well No. 3 and utilize it for disposal operations. Please be advised that Energen waives any objections to the application for authorization to inject through this well that is being filed by DKD, LLC.

Sincerely,

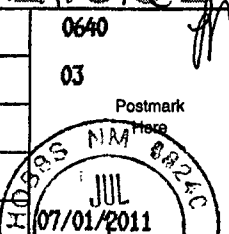
Mark Solari
Energen Resources Corporation

Cc: DKD, LLC

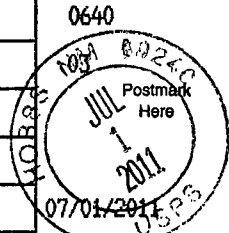
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PS Form 3800, August 2006		See Reverse for Instructions

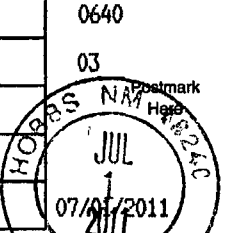
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PS Form 3800, August 2006		See Reverse for Instructions

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PS Form 3800, August 2006		See Reverse for Instructions

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Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.63	
Sent To Yates Petroleum Co. Street, Apt. No., or PO Box No. 165 S. 4th St. City, State, ZIP+4 [®] Artesia, NM 88210		
PS Form 3800, August 2006		See Reverse for Instructions

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, DKD, LLC, Box 682, Tatum, NM 88267, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the State M Com #3, API 30-025-01235, located in Unit B, Section 10, Township 15 South, Range 33 East, Lea Co., NM. The injection formation is the Permo-Penn from 9840' to 9990' below surface. Expected maximum injection rate is 3000 bpd., and the expected maximum injection pressure is 1000 psi or what the OCD allows. Any questions about the application can be directed to Eddie W. Seay, (575)392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505)476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days.


[illegible]

LEGAL NOTICE
Pursuant to the rules and regulations of the Oil

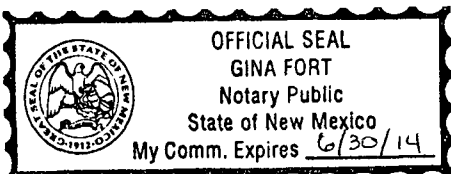
Conservation Division of the State of New Mexico, DKD LLC, Box 682, Tatum, NM 88267 is filing a C-108 Application for Salt Water Disposal. The well being applied for is the State M Com #3, API 30-025-01235, located in Unit B Section 10, Township 15 South, Range 33 East, Lea Co. NM. The injection formation is the Permo-Penn from 9840' to 9990' below surface. Expected maximum injection rate is 3000 bpd, and the expected maximum injection pressure is 1000 psi or what the OCD allows. Any questions about the application can be directed to Eddie W Seay, (575) 392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505) 476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days.

Published in the Lovington Leader, July 2, 2011

And that the cost of publishing said notice is the sum of \$ 25.59 which sum has been (Paid) as Court Costs.


Joyce Clemens, Advertising Manager
Subscribed and sworn to before me this 5th
day of July, 2011.

Gina Fort
Gina Fort
Notary Public, Lea County, New Mexico
My Commission Expires June 30, 2014





RECEIVED OCD

2011 MAY -9 P 12:50

May 5, 2011

Mr. Will Jones
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Energen Resources Corporation - State M Com Well No. 3
API No. 30-025-01235
NW/4 NE/4 (B) Sec. 10, T15S, R33E
Lea County, NM

Dear Mr. Jones:

Energen Resources Corporation is the operator of the above-referenced well which is in the process of being transferred to D.K.D., LLC. Energen continues to own working interests and operate other wells in the vicinity of the State M Com Well No. 3. It is our understanding that DKD, LLC is making application to the NMOCD for authorization to convert the State M Com Well No. 3 and utilize it for disposal operations. Please be advised that Energen waives any objections to the application for authorization to inject through this well that is being filed by DKD, LLC.

Sincerely,

A handwritten signature in black ink, appearing to read "JDN", with a stylized flourish.

Joe D. Niederhofer
Vice President – Permian Basin Operations

JDN/mm

c: DKD, LLC

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Saturday, July 16, 2011 3:52 PM
To: 'Rena Seay'; 'kdklle@leaco.net'; 'kdkllc@leaco.net'
Cc: Ezeanyim, Richard, EMNRD; Phillips, Dorothy, EMNRD; Gonzales, Elidio L, EMNRD
Subject: Disposal application from DKD, LLC: State M Com #3 30-025-01235 Upper Penn disposal perfs from 9840 to 9990

Hello Eddie and Danny:

I only have a couple questions/requests:

- ✓ a. We have no logs in the Division's imaging site. IF you can find a log for this well covering the disposal interval, let me know, and send a copy to Paul Kautz. If you can't find any logs, we will ask that after the plug is drilled out, the well be logged with at least a GR-CNL or GR-CasingInspectionLog prior to conversion to disposal.
- ✓ b. The only casing that is circulated on this well is Surface pipe and the well was drilled in 1951. This well apparently held pressure at TA time, but a casing inspection log would be prudent to run to see the condition of the casing over the San Andres and Upper Salt and Redbeds. If you ever have to squeeze, this may help locating the best spots to shoot holes. The San Andres is or was being used for disposal by an offset well, so it may be a possibility in this well in the future and you would at that time want your pipe to have cement behind the San Andres. Let me know what you think?
- OK ✓ c. The OCD web site shows a single well bond is needed on the Snyder A #1 well. You could contact Dorothy Phillips of this office 476-3461 to get that done. We can't release any SWD permit until all shows up OK on the web site.

Thank You,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



Jones, William V., EMNRD

From: Phillips, Dorothy, EMNRD
Sent: Monday, July 18, 2011 7:51 AM
To: Jones, William V., EMNRD
Subject: RE: Disposal application from DKD, LLC: State M Com #3 30-025-01235 Upper Penn disposal perms from 9840 to 9990

Will, DKD, LLC does have a one well bond in place for this well Snyder A No. 1 -30-025-03727. It is showing up on Financial Assurance because of a computer glitch. I have made Ed aware of it and he is working with IT to get it resolved. I approved the bond 6/28/2011.

Thanks

From: Jones, William V., EMNRD
Sent: Saturday, July 16, 2011 3:52 PM
To: Rena Seay; kdklle@leaco.net; kdkllc@leaco.net
Cc: Ezeanyim, Richard, EMNRD; Phillips, Dorothy, EMNRD; Gonzales, Elidio L, EMNRD
Subject: Disposal application from DKD, LLC: State M Com #3 30-025-01235 Upper Penn disposal perms from 9840 to 9990

Hello Eddie and Danny:

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- b. The only casing that is circulated on this well is Surface pipe and the well was drilled in 1951. This well apparently held pressure at TA time, but a casing inspection log would be prudent to run to see the condition of the casing over the San Andres and Upper Salt and Redbeds. If you ever have to squeeze, this may help locating the best spots to shoot holes. The San Andres is or was being used for disposal by an offset well, so it may be a possibility in this well in the future and you would at that time want your pipe to have cement behind the San Andres. Let me know what you think?
- c. The OCD web site shows a single well bond is needed on the Snyder A #1 well. You could contact Dorothy Phillips of this office 476-3461 to get that done. We can't release any SWD permit until all shows up OK on the web site.

Thank You,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



Jones, William V., EMNRD

From: Danny Watson [dkdlc@leaco.net]
Sent: Thursday, July 21, 2011 11:01 AM
To: Jones, William V., EMNRD
Subject: Re: Disposal application from DKD, LLC: State M Com #3 30-025-01235 Upper Penn disposal perfs from 9840 to 9990

Hello Will,

I do have the logs on the State M Com #3 and Paul should have them today.

My answer to your e-mail question (b) is that while we can anticipate holes in the casing, that can only be addressed if and when it happens. There is no telling where they could show up. I did pressure up on the casing before buying the well, and it is still okay. I also checked on surveying the casing and a estimated cost of \$7,000 is to be expected for that. I already have \$68,000 of out-of-pocket expenses to comply with all of the state agencies requirements so far. So, at this time I dont think I want to spend another \$7,000 when the casing has been pressure tested and is holding.

Regarding the bonds, please check with Dorothy Phillips, as she told me that you should have an e-mail stating that all of my bonds are in place now.

Please let me know if need any thing else.

Danny R. Watson
DKD, LLC
Owner

----- Original Message -----

From: Jones, William V., EMNRD
To: Danny Watson
Sent: Saturday, July 16, 2011 4:06 PM
Subject: FW: Disposal application from DKD, LLC: State M Com #3 30-025-01235 Upper Penn disposal perfs from 9840 to 9990

From: Jones, William V., EMNRD
Sent: Saturday, July 16, 2011 3:52 PM
To: 'Rena Seay'; 'kdklle@leaco.net'; 'kdkllc@leaco.net'
Cc: Ezeanyim, Richard, EMNRD; Phillips, Dorothy, EMNRD; Gonzales, Elidio L, EMNRD
Subject: Disposal application from DKD, LLC: State M Com #3 30-025-01235 Upper Penn disposal perfs from 9840 to 9990

Hello Eddie and Danny:

I only have a couple questions/requests:

- a. We have no logs in the Division's imaging site. IF you can find a log for this well covering the disposal interval, let me know, and send a copy to Paul Kautz. If you can't find any logs, we will ask that after the plug is drilled out, the well be logged with at least a GR-CNL or GR-CasingInspectionLog prior to conversion to disposal.
- b. The only casing that is circulated on this well is Surface pipe and the well was drilled in 1951. This well apparently held pressure at TA time, but a casing inspection log would be prudent to run to see the condition of the casing over the San Andres and Upper Salt and Redbeds. If you ever have to squeeze, this may help locating the best spots to shoot holes. The San Andres is or was being used for disposal

Jones, William V., EMNRD

From: Kautz, Paul, EMNRD
Sent: Thursday, July 21, 2011 10:58 AM
To: Jones, William V., EMNRD
Cc: 'Eddie Seay'
Subject: Logs DKD State M #3 30-025-01235

Will

Eddy Seay dropped off logs for DKD proposed SWD well State M # 3 30-025-01235 located in Sec 10-15S-35E. They include the following:

Acoustic Cement Bond log	dated 07/09/1991
Casing Inspection Log	dated 07/03/1991
Gama Ray-Collar	dated 08/01/1983
Electric Log	dated 12/17/1951
Micro Logging	dated unknown

Our log scanner is down and out for repair. The logs will be scanned as soon as we are back up.

Paul

Injection Permit Checklist (11/15/2010)

WFX PMX SWD 1296 Permit Date 7/27/11 UIC Qtr (T/A)
 # Wells 1 Well Name(s): State M ~~CR~~ #3
 API Num: 30-025-01235 Spud Date: 11/1/51 New/Old: 0 (UIC primacy March 7, 1982)
 Footages 660 FNL/180 FEL Unit B Sec 10 Tsp 15S Rge 33E County LEA

General Location:

Operator: DKO, LLC as of 5/31/11 Contact Eddie W Seay / Denny Watson
 OGRID: 210091 RULE 5.9 Compliance (Wells) 1/6 (Finan Assur) X IS 5.9 OK? X
 Well File Reviewed ✓ Current Status: TA 2005

Planned Work to Well: Drill out PLUG, EQUIP, Test, inject

Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: None OK

Well Details:		Sizes	Setting	Stage	Cement	Determination
		Hole.....Pipe	Depths	Tool	Sx or Cf	Method
New <u>✓</u> Existing <u>✓</u>	Surface	17 1/4 13 3/8	295		250	CIRC
New <u>✓</u> Existing <u>✓</u>	Interm	12 1/4 9 5/8	4230		1500	1847 TS.
New <u>✓</u> Existing <u>✓</u>	LongSt	7 1/8 5 1/2	10025		600	6733 TS.
New <u>✓</u> Existing <u>✓</u>	Liner					
New <u>✓</u> Existing <u>✓</u>	OpenHole					

Depths/Formations: Depths, Ft. Formation Tops? Producers intend

Formation(s) Above	9140 9423	WC Rock	<u>✓</u>
Injection TOP:	9840	Upper Penn	Max. PSI 1968 OpenHole <u>✓</u> Perfs <u>✓</u>
Injection BOTTOM:	9990	Lower Penn	Tubing Size 278 Packer Depth 9740
Formation(s) Below			

Capitan Reef? (Potash? Noticed?) (WIPP? Noticed?) Salado Top/Bot 1634-2520 Cliff House?

Fresh Water: Depths 100-160' Formation DElelu Wells? ✓ Analysis? ✓ Affirmative Statement ✓

Disposal Fluid Analysis? Sources: Commercial DISP.

Disposal Interval: Analysis? ✓ Production Potential/Testing: Depleted Reservoir (Now all PLUGGED OUT)

Notice: Newspaper Date 7/2/11 Surface Owner SLO. Mineral Owner(s)

RULE 26.7(A) Affected Persons: Aranda / Yates / Evayn 7/12/11

AOR: Maps? ✓ Well List? ✓ Producing in Interval? ✓ Wellbore Diagrams? ✓

.....Active Wells 0 Repairs? ✓ Which Wells?

.....P&A Wells 10 Repairs? 0 Which Wells?

Issues: Drill out from logs

Request Sent Reply: