DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
12/02	2013	PG	12/03/2013	SWD	pPBG1333754102

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

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]

Commercial
State MTS# 2
30-025-28141
MNA Enterprises
Wolfcamp

[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.

Print or Type Name	Signature	Title	Date
Eddie W Seay	Eddie W Seay	Agent	11/18/2013

Seay04@leaco.net
e-mail Address

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 June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X___Disposal _____Storage
Application qualifies for administrative approval? _____Yes _____No

II. OPERATOR: MNA Enterprise LTD Co.

ADDRESS: 106 W. Alabama, Hobbs, NM 88242

CONTACT PARTY: Daniel Alexander PHONE: 575-390-3300

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).

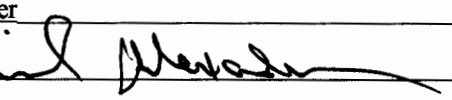
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: Daniel Alexander TITLE: Owner - Operator

SIGNATURE:  DATE: 11/13/2013

E-MAIL ADDRESS: seay04@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: previously submitted when drilled - 1983.

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

ATTACHMENT TO APPLICATION C-108

State MTS #2 (API 30-025-28141)
Unit E, Sect. 10, Tws. 19 S., Rng. 35 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) 3 ½" plastic coated tubing.
4) Baker Tension Type.

B. 1) Injection formation is the Wolfcamp.
2) Injection interval from 10510' to 10770'.
3) This was drilled as a producer.
4) The next higher producing zone is the Bone Springs at approximately 7684'.
The next lower producing zone is the Penn at approximately 11800'.

Is producer — no data on production - needs data

IV. NO.

V. MAP ATTACHED.

VI. LIST OF WELLS AND DATA ATTACHED.

VII. MNA proposes to remove existing equipment and clean out well bore down to Wolfcamp and existing perfs. Either re-perforate or acidize old perfs. Complete in existing Wolfcamp perfs and/or new perfs depending on logs. Run 3 ½" coated tubing with 5 1/2"packer and set at approximately 10410'. Run MIT as OCD requires, put on injection.

1) Plan to inject approximately 10,000 bpd of produced water from various operations.
2) Closed system - commercial.
3) Average injection pressure should be approximately 1800# to 2000# or whatever limit OCD allows.
4) Analysis attached, only produced water.
5) Water from various offset production from McKee, Devonian, Silurian, Wolfcamp, Bone Springs and others.

VIII. The proposed disposal formation is interbedded shale and limestone. The primary geologic formation is the Wolfcamp from 10510′ to 10770′.

The fresh water formation in the area is the Ogallala which ranges in thickness from 40′ to 60′. Analysis of water well attached.

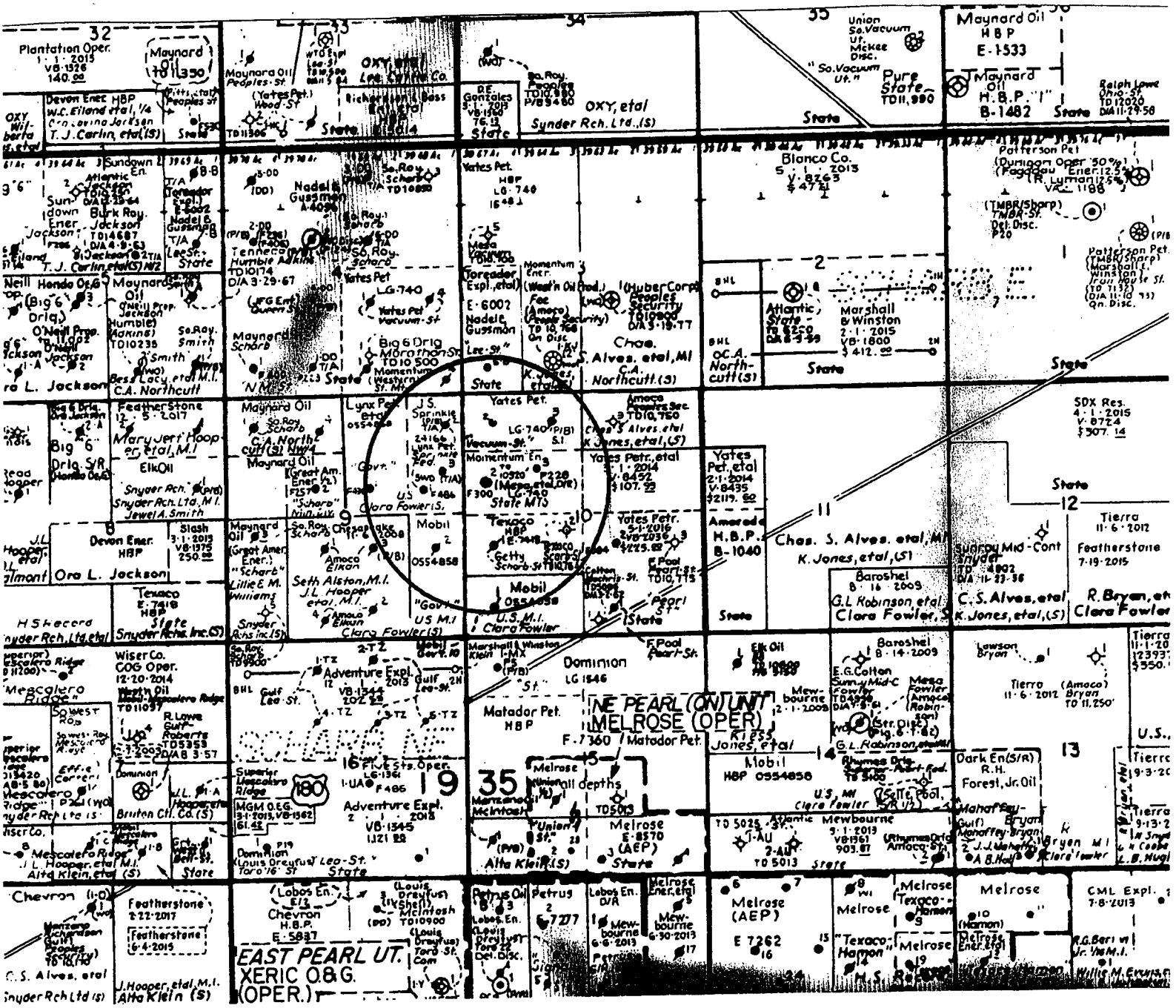
IX. ACID AS NEEDED.

X. WILL BE SUBMITTED WHEN DRILLED.

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.


NE PEARL (ON) UNIT
MELROSE (OPER)
EAST PEARL UT.
XERIC O.&G.
(OPER.)
Dominion
LG 1546
Matador Pet.
HBP
F-7360
Melrose
all depths
TD 5013
Melrose
E-8570
(AEP)
Melrose
(AEP)
E 7262
Petrus
E 7277
Chevron
H.B.P.
E-5837
Adventure Expl.
VB-1345
1321 BO
Adventure Expl.
VB-1344
20 BO
Mobil
HBP 0554858
Mewbourne
VB-1961
903 BO
Mewbourne
6-30-2013
Mewbourne
6-6-2013
Lobos En.
D/A
Petrus Oil
HBP
Lobos En.
(Louis Dreyfus)
Toro 22
Del. Disc.
Petrus
Lobos En.
(Louis Dreyfus)
Toro-St. Com
Melrose Ener. etal
Melrose
Texaco-Harmon
Melrose
Texaco-Harmon
Melrose
(Harmon)
Petrus Ener. etal
CML Expl.
7-8-2013
Dark En(S/R)
R.H.
Forest, Jr. Oil
Tierra
(Amoco)
11-6-2012
TD 11,250'
Tierra
11-1-20
12393'
$350.
Featherstone
12-5-2017
Featherstone
2-22-2017
Featherstone
6-4-2015
Wiser Co.
COG Oper.
12-20-2014
Mescalero Ridge
Southwest Roy
Mescalero Ridge
Dominion
Mescalero Ridge
Britton Ctl. Co.(S)
Mescalero Ridge
J. L. Hooper, etal M.I.
Alta Klein, etal (S)
Chevron (I-O)
C. S. Alves, etal
Snyder Rch Ltd (S)
J. Hooper, etal, M.I.
Alta Klein (S)
Devon Ener. HBP
W.C. Eiland etal, 1/4
Carolina Jackson
T. J. Carlin, etal(S)
Plantation Oper.
1-1-2015
VB-1326
140.00
Maynard Oil
TD 11350
Sundown Ener.
Jackson
TD14687
D/A 4-9-63
T. J. Carlin, etal(S) N/2
Burk Roy
Jackson
Tornador Expl.
E-6002
Nadel & Gussman
T/A
Lee St.
State
Neill Hondo Oil & Gas
(Big 6 Drlg.)
O'Neill Prop.
Jackson
Humble
TD10235
O'Neill Prop.
Jackson
Maynard Oil
(O'Neill Prop.)
Jackson
(Adkins)
TD10174
D/A 3-29-67
Tennessee
Humble Adkins
TD10174
D/A 3-29-67
Nadel & Gussman
A-409
Maynard Oil
Schorp
Big 6 Drlg.
Jackson
Big 6 Drlg.
Jackson
Bess Lacy etal M.I.
C.A. Northcutt
Maynard Oil
Schorp
Maynard Oil
(Great Am. Ener.)
"Schorp"
Lillie E. M. Williams
Snyder Rchs. Inc.(S)
Seth Alston, M.I.
J.L. Hooper etal, M.I.
Amoco Elkon
Clara Fowler(S)
Lynx Pet. etal
0554858
J.S. Sprinkle
Mobil
0554858
"Govt."
US M.I.
Clara Fowler
Yates Pet.
HBP
LG-740
Yates Pet.
Vacuum-St.
Momentum Ener.
10920'
P220
F300
LG-740
State MTD
Texaco
HBP
E-7418
Getty
Schorp-St
TD10,776
Mobil
0554858
U.S.M.I.
Clara Fowler
Momentum Ener.
(West'n Oil Prod.)
Fee
(Amoco)
(Peoples Security)
TD 10,750
On Disc.
Huber Corp
Peoples Security
Talopod
D/A 5-19-77
Amoco Peoples Sec.
TD10,750
Chas. S. Alves, etal
K. Jones, etal, (S)
Yates Petr. etal
2-1-2014
V-8452
$107.92
Yates Petr.
5-1-2016
2VB-2039
$1225.00
Cotton Draper
Tr. 2
Pearl St.
TD10,775
F. Pool
Pearl St.
Yates Pet.
2-1-2014
V-8435
$2119.60
Amoco
H.B.P.
B-1040
Chas. S. Alves, etal, M.I.
K. Jones, etal, (S)
Baroshel
B-14-2009
G.L. Robinson, etal
Clara Fowler, S
Baroshel
B-16-2009
G.L. Robinson, etal
Clara Fowler, S
Elk Oil
TD 10,000
Mew-bourne
2-1-2008
R155
Jones, etal
Mobil
HBP 0554858
Mewbourne
5-1-2013
VB-1961
903.87
Atlantic
TD 5025
T-AU
2-AU
TD 5013
State
Blanco Co.
5-1-2013
V-8263
$472.00
Atlantic
State
TD 12,500
Marshall & Winston
2-1-2015
VB-1800
$412.00
Maynard Oil
H.B.P.
E-1533
Maynard Oil
H.B.P.
B-1482
Ralph Lowe
Ohio-St.
TD 12020
D/A 11-29-56
Patterson Pet
(Dunigan Oper 50%)
(Pegasus Ener. 12.5%)
(R. Luman 12.5%)
V-1188
(TMBR/Sharp)
Marshall (
Winston)
Fort Worth St.
(D 11,330
(D/A 11-10-93)
On Disc.
SDX Res.
4-1-2015
V-8724
$307.14
Sunray Mid-Cont
Snyder
TD 4892
D/A 11-23-56
C.S. Alves, etal
K. Jones, etal, (S)
Tierra
11-6-2012
Featherstone
7-19-2015
R. Bryan, et
Clara Fowler
Slash
3-1-2013
VB-1975
250.00
Devon Ener.
HBP
Ora L. Jackson
Texaco
E-7418
HBP
State
Snyder Rchs. Inc.(S)
Snyder Rch. Ltd. etal
Snyder Rch. Ltd. M.I.
Jewel A. Smith
ElkOil
Mary Jeff Hooper, etal, M.I.
Ora L. Jackson
Big 6 Drlg. S/R
Hondo Oil & Gas
Jackson
Big 6 Drlg.
Jackson
Maynard Oil
C.A. Northcutt (3)
Maynard Oil
(Great Am. Ener.)
"Schorp"
Snyder Rch.
Snyder Rch. Ltd. M.I.
Jewel A. Smith
Maynard Oil
Schorp
C.A. Northcutt (3)
Maynard Oil
Lynx Pet. etal
0554858
J.S. Sprinkle
Govt.
US M.I.
Clara Fowler
Yates Pet.
HBP
LG-740
Momentum Ener.
10920'
P220
F300
LG-740
State MTD
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HBP
E-7418
Getty
Schorp-St
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0554858
U.S.M.I.
Clara Fowler
Amoco Peoples Sec.
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Chas. S. Alves, etal
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Yates Petr. etal
2-1-2014
V-8452
$107.92
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2VB-2039
$1225.00
Cotton Draper
Tr. 2
Pearl St.
TD10,775
F. Pool
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Amoco
H.B.P.
B-1040
Chas. S. Alves, etal, M.I.
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Baroshel
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Elk Oil
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V-1188
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(D 11,330
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Sunray Mid-Cont
Snyder
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A-409
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Schorp
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Big 6 Drlg.
Jackson
Bess Lacy etal M.I.
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"Govt."
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LG-740
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10920'
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Texaco
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E-7418
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Schorp-St
TD10,776
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U.S.M.I.
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(West'n Oil Prod.)
Fee
(Amoco)
(Peoples Security)
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On Disc.
Huber Corp
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TD10,750
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Pearl St.
Yates Pet.
2-1-2014
V-8435
$2119.60
Amoco
H.B.P.
B-1040
Chas. S. Alves, etal, M.I.
K. Jones, etal, (S)
Baroshel
B-16-2009
G.L. Robinson, etal
Clara Fowler, S
Elk Oil
TD 10,000
Mew-bourne
2-1-2008
R155
Jones, etal
Mobil
HBP 0554858
Mewbourne
5-1-2013
VB-1961
903.87
Atlantic
TD 5025
T-AU
2-AU
TD 5013
State
Blanco Co.
5-1-2013
V-8263
$472.00
Atlantic
State
TD 12,500
Marshall & Winston
2-1-2015
VB-1800
$412.00
Maynard Oil
H.B.P.
E-1533
Maynard Oil
H.B.P.
B-1482
Ralph Lowe
Ohio-St.
TD 12020
D/A 11-29-56
Patterson Pet
(Dunigan Oper 50%)
(Pegasus Ener. 12.5%)
(R. Luman 12.5%)
V-1188
(TMBR/Sharp)
Marshall (
Winston)
Fort Worth St.
(D 11,330
(D/A 11-10-93)
On Disc.
SDX Res.
4-1-2015
V-8724
$307.14
Sunray Mid-Cont
Snyder
TD 4892
D/A 11-23-56
C.S. Alves, etal
K. Jones, etal, (S)
Tierra
11-6-2012
Featherstone
7-19-2015
R. Bryan, et
Clara Fowler
Tierra
(Amoco)
11-6-2012
TD 11,250'
Dark En(S/R)
R.H.
Forest, Jr. Oil
Tierra
11-1-20
12393'
$350.
Featherstone
12-5-2017
Featherstone
2-22-2017
Featherstone
6-4-2015
Wiser Co.
COG Oper.
12-20-2014
Mescalero Ridge
Southwest Roy
Mescalero Ridge
Dominion
Mescalero Ridge
Britton Ctl. Co.(S)
Mescalero Ridge
J. L. Hooper, etal M.I.
Alta Klein, etal (S)
Chevron (I-O)
C. S. Alves, etal
Snyder Rch Ltd (S)
J. Hooper, etal, M.I.
Alta Klein (S)

Side 1

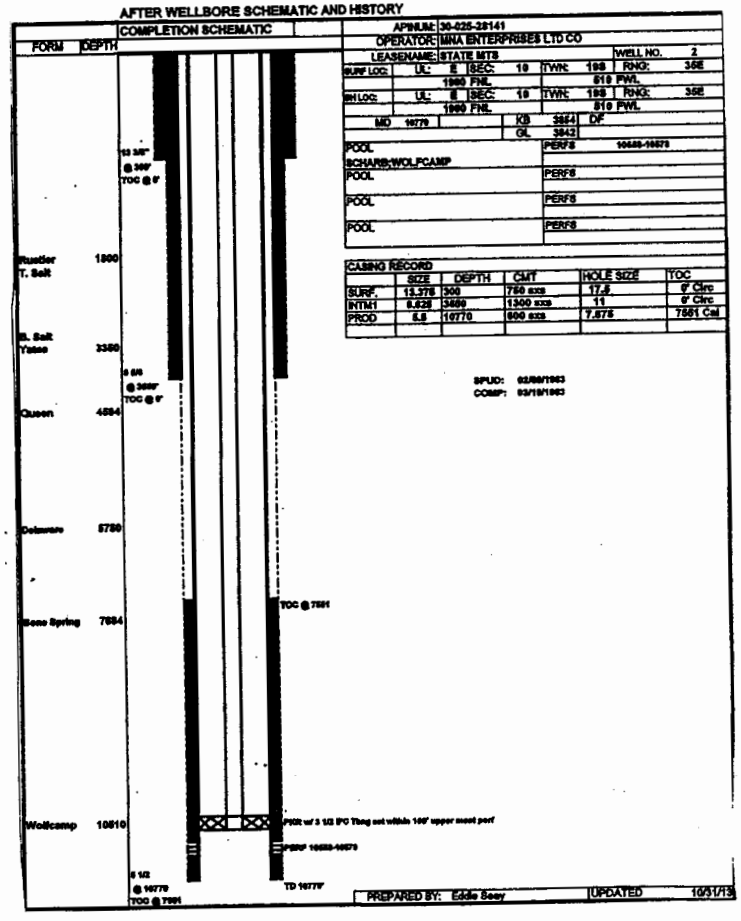
INJECTION WELL DATA SHEET

OPERATOR: MNA Enterprises LTD Co.

WELL NAME & NUMBER: State MTS #2 (API 30-025-28141)

WELL LOCATION:	1980/N 510/W	E	10	19	35
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 750 sx. *or* _____ ft³

Top of Cement: Surface. Method Determined: Circ.

Intermediate Casing

Hole Size: 11 Casing Size: 8.625

Cemented with: 1300 sx. *or* _____ ft³

Top of Cement: Surface. Method Determined: Circ.

Production Casing

Hole Size: 7.875 Casing Size: 5.5

Cemented with: 600 sx. *or* _____ ft³

Top of Cement: 7551 Method Determined: Calc.

Total Depth: 10770

Injection Interval

10510 feet to 10770

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 3 1/2 Lining Material: IPC

Type of Packer: Baker Tension Type

Packer Setting Depth: App. 10410 (or 100 ft. of top perfs)

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? Wolfcamp Producer

2. Name of the Injection Formation: Wolfcamp

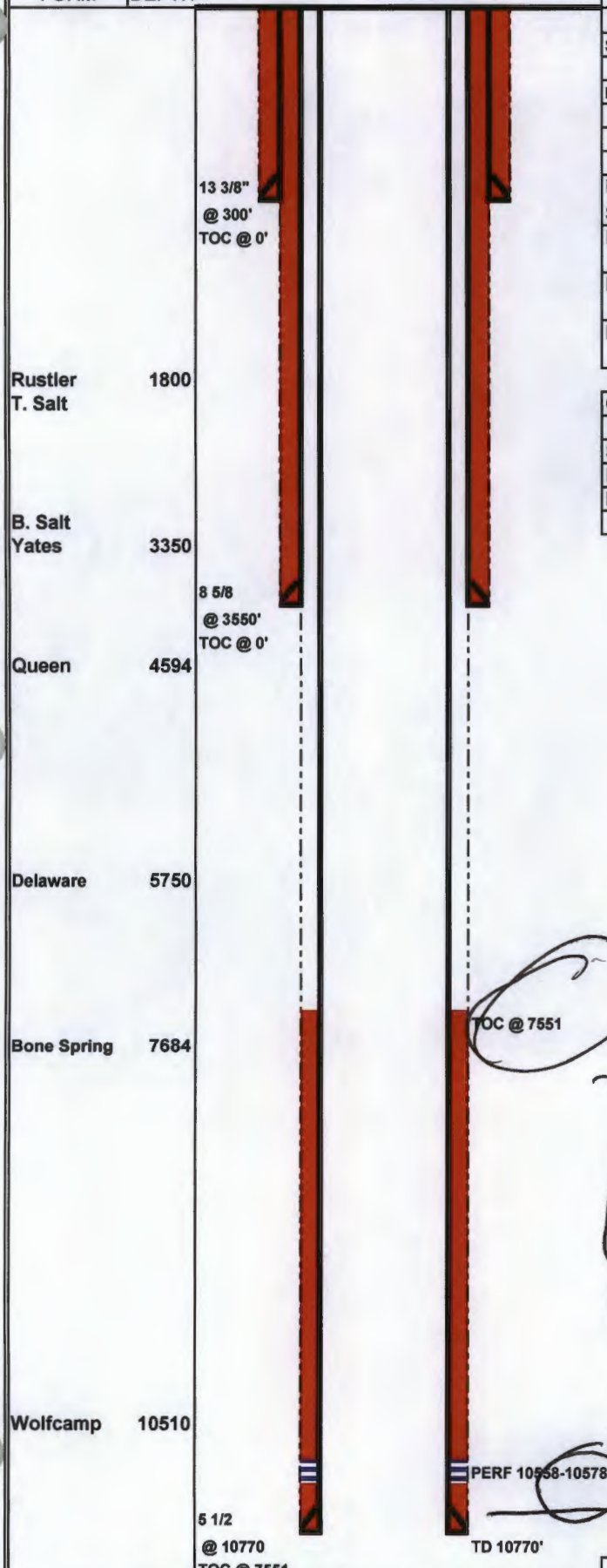
3. Name of Field or Pool (if applicable): Scharb, WC

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 Wolfcamp

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Upper zone is Bone Spring at 7684
   Lower zone is Penn at 11800

BEFORE WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC



APINUM:	30-025-28141						
OPERATOR:	MNA ENTERPRISES LTD CO						
LEASENAME:	STATE MTS					WELL NO.	2
SURF LOC:	UL: E	SEC: 10		TWN: 19S		RNG:	35E
	1980 FNL			510 FWL			
BH LOC:	UL: E	SEC: 10		TWN: 19S		RNG:	35E
	1980 FNL			510 FWL			
MD	10770		KB	3854	DF		
			GL	3842			

POOL	PERFS
SCHARB;WOLFCAMP	10558-10578
POOL	PERFS
POOL	PERFS
POOL	PERFS

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	300	750 sxs	17.5	0' Circ
INTM1	8.625	3550	1300 sxs	11	0' Circ
PROD	5.5	10770	600 sxs	7.875	7551 Cal

SPUD: 02/08/1983
COMP: 03/18/1983

75% yield 1.22 cu ft/sack Class H w/2%
3249' Calculated
PBTD 10,736'

PREPARED BY: Eddie Seay | UPDATED 10/31/13

AFTER WELLBORE SCHEMATIC AND HISTORY

APINUM:	30-025-28141
OPERATOR:	MNA ENTERPRISES LTD CO
LEASENAME:	STATE MTS
WELL NO.	2

SURF LOC:	UL:	E	SEC:	10	TWN:	19S	RNG:	35E
	1980 FNL				510 FWL			
BH LOC:	UL:	E	SEC:	10	TWN:	19S	RNG:	35E
	1980 FNL				510 FWL			
MD	10770		KB	3854	DF			
			GL	3842				

POOL SCHARB;WOLFCAMP	PERFS 10558-10578
POOL	PERFS
POOL	PERFS
POOL	PERFS

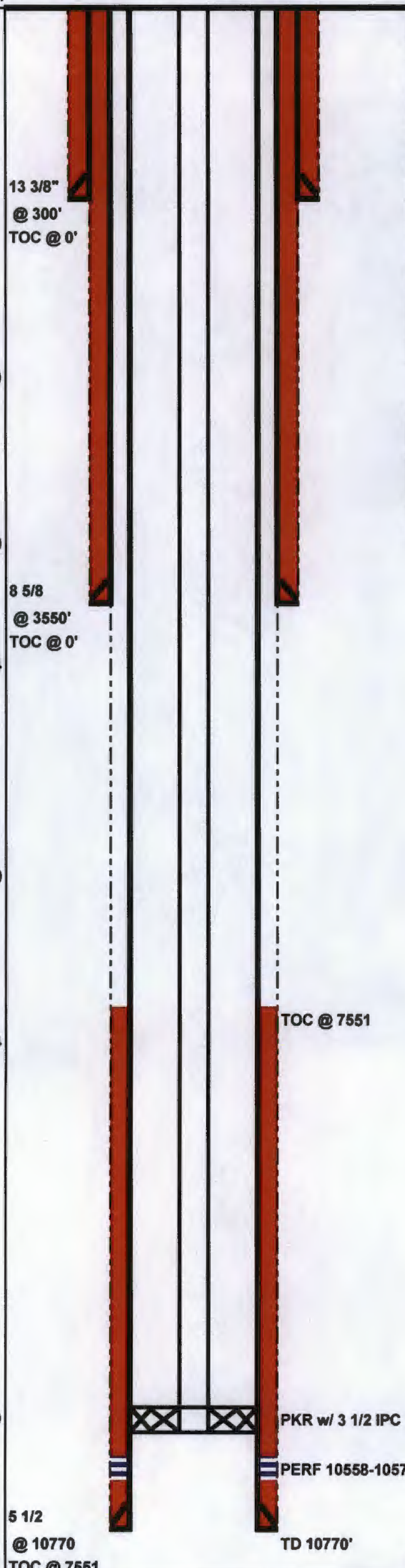
CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	300	750 sxs	17.5	0' Circ
INTM1	8.625	3550	1300 sxs	11	0' Circ
PROD	5.5	10770	600 sxs	7.875	7551 Cal

SPUD: 02/08/1983
COMP: 03/18/1983

COMPLETION SCHEMATIC

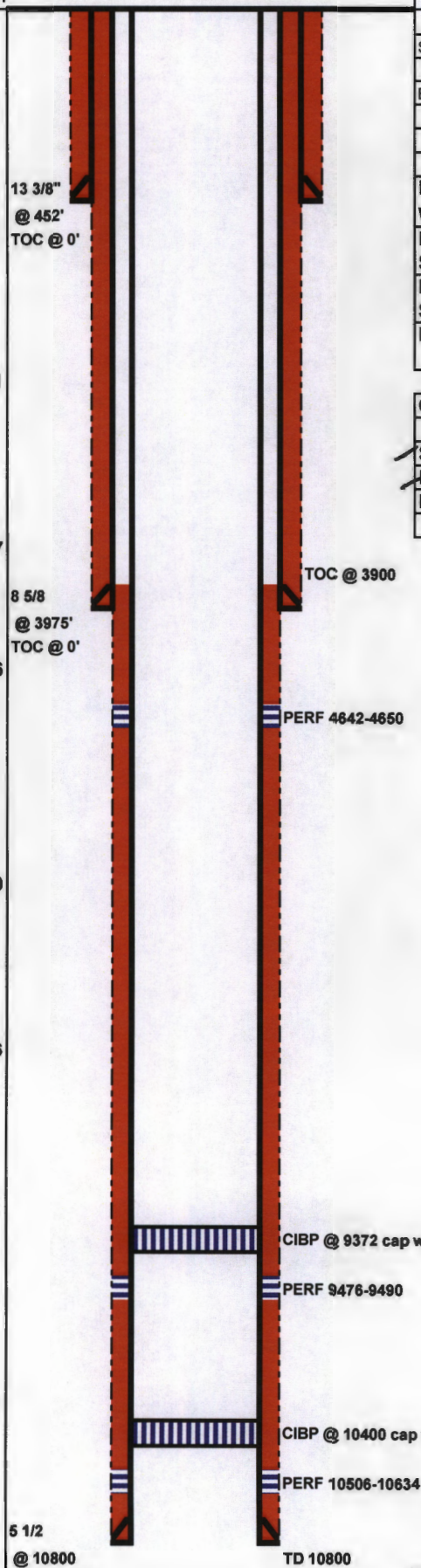
FORM	DEPTH
Rustler	1800
T. Salt	
B. Salt	
Yates	3350
Queen	4594
Delaware	5750
Bone Spring	7684
Wolfcamp	10510



PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

FORM	DEPTH
Rustler	1871
T. Salt	
B. Salt	
Yates	3377
Queen	4606
Delaware	5750
Bone Spring	7686
Wolfcamp	10371



APINUM:	30-025-28397
OPERATOR:	JKM ENERGY CORP
LEASENAME:	QUEEN B LEE STATE
WELL NO.	1

SURF LOC:	UL:	M	SEC:	3	TWN:	19S	RNG: 35E
	519 FSL				519 FWL		
BH LOC:	UL:	M	SEC:	3	TWN:	19S	RNG: 35E
	519 FSL				519 FWL		

MD	10800		KB	3892	DF 3891
PBTD	10706		GL	3880	

POOL	PERFS 10506-10634
WOLFCAMP (Dry)	
POOL	PERFS 9476-9490
SCHARB;BONE SPRING	
POOL	PERFS 4642-4650
SCHARB;QUEEN	
POOL	PERFS

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	452	475 sxs	17.5	0' Circ
INTM1	8.625	3975	1100 sxs	11	0' Circ
PROD	5.5	10800	1395 sxs	7.875	3900 CBL

SPUD: 09/29/1983
COMP: 12/12/1983

PREPARED BY:	Eddie Seay	UPDATED	10/31/13

DISPOSAL WELL

30-025-28141	STATE MTS	2	MNA ENTERPRISES LTD CO	10770	O	A	Lea	S	E	10	19	S	35	E	1980	N	510	W

Wells within 0.5 miles of proposed disposal well

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN		RNG		N/S		E/W		Dist
30-025-28248	STATE MTS	4	MOMENTUM ENERGY CORPORATION	10725	O	P	Lea	S	P	4	19	S	35	E	330	S	330	E	2457
30-025-28397	QUEEN B LEE STATE	1	JKM ENERGY, LLC	10800	O	A	Lea	S	M	3	19	S	35	E	519	S	519	W	2499
30-025-28520	SPRINKLE FEDERAL	2	LYNX PETROLEUM CONSULTANTS INC	10750	O	P	Lea	F	A	9	19	S	35	E	660	N	330	E	1564
30-025-28157	GOVERNMENT 9	1	LYNX PETROLEUM CONSULTANTS INC	10000	O	P	Lea	F	G	9	19	S	35	E	1980	N	1980	E	2490
30-025-28221	SPRINKLE FEDERAL	1	LYNX PETROLEUM CONSULTANTS INC	10770	O	P	Lea	F	H	9	19	S	35	E	2063	N	841	E	1353
30-025-28521	SPRINKLE FEDERAL	3	DLJ EQUIPMENT LEASING LTD. CO.	10800	SWD	A	Lea	F	H	9	19	S	35	E	1650	N	460	E	1024
30-025-28191	GOVERNMENT 9	2	LYNX PETROLEUM CONSULTANTS INC	9852	O	P	Lea	F	I	9	19	S	35	E	1980	S	660	E	1763
30-025-28225	VACUUM STATE	3	MESA OPERATING LP	10793	O	P	Lea	S	C	10	19	S	35	E	660	N	1980	W	1975
30-025-28192	VACUUM STATE	2	YATES PETROLEUM CORPORATION	10800	O	P	Lea	S	D	10	19	S	35	E	660	N	660	W	1328
30-025-28247	STATE MTS	3	MNA ENTERPRISES LTD CO	10820	O	A	Lea	S	F	10	19	S	35	E	1650	N	1650	W	1186
30-025-28625	SHARB 10 STATE	2	TEXACO PRODUCING INC	10765	O	P	Lea	S	K	10	19	S	35	E	2310	S	2310	W	2054
30-025-28298	SHARB 10 STATE	1	GETTY OIL CO	10793	O	P	Lea	S	L	10	19	S	35	E	1980	S	660	W	1328
30-025-28252	GOVERNMENT 10	1	MOBIL PRODUCING TX & NM INC	10920	O	P	Lea	F	M	10	19	S	35	E	660	S	660	W	2644

Wells within 0.5 miles of proposed disposal well that penatrate the proposed disposal interval

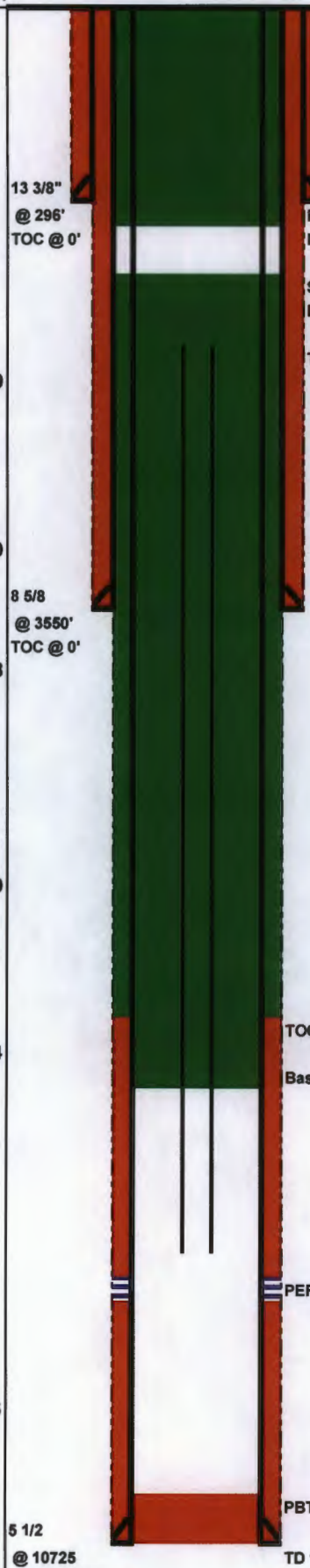
API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATU	CO	LAND	U/L	SEC	TWN		RNG		N/S		E/W		Dist
30-025-28248	STATE MTS	4	MOMENTUM ENERGY CORPORATION	10725	O	P	Lea	S	P	4	19	S	35	E	330	S	330	E	2457
30-025-28397	QUEEN B LEE STATE	1	JKM ENERGY, LLC	10800	O	A	Lea	S	M	3	19	S	35	E	519	S	519	W	2499
30-025-28520	SPRINKLE FEDERAL	2	LYNX PETROLEUM CONSULTANTS INC	10750	O	P	Lea	F	A	9	19	S	35	E	660	N	330	E	1564
30-025-28221	SPRINKLE FEDERAL	1	LYNX PETROLEUM CONSULTANTS INC	10770	O	P	Lea	F	H	9	19	S	35	E	2063	N	841	E	1353
30-025-28521	SPRINKLE FEDERAL	3	DLJ EQUIPMENT LEASING LTD. CO.	10800	SWD	A	Lea	F	H	9	19	S	35	E	1650	N	460	E	1024
30-025-28225	VACUUM STATE	3	MESA OPERATING LP	10793	O	P	Lea	S	C	10	19	S	35	E	660	N	1980	W	1975
30-025-28192	VACUUM STATE	2	YATES PETROLEUM CORPORATION	10800	O	P	Lea	S	D	10	19	S	35	E	660	N	660	W	1328
30-025-28247	STATE MTS	3	MNA ENTERPRISES LTD CO	10820	O	A	Lea	S	F	10	19	S	35	E	1650	N	1650	W	1186
30-025-28625	SHARB 10 STATE	2	TEXACO PRODUCING INC	10765	O	P	Lea	S	K	10	19	S	35	E	2310	S	2310	W	2054
30-025-28298	SHARB 10 STATE	1	GETTY OIL CO	10793	O	P	Lea	S	L	10	19	S	35	E	1980	S	660	W	1328
30-025-28252	GOVERNMENT 10	1	MOBIL PRODUCING TX & NM INC	10920	O	P	Lea	F	M	10	19	S	35	E	660	S	660	W	2644

8 P&A
3 Active
} 11 wells in AOR

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC

FORM	DEPTH
Rustler	1880
T. Salt	
B. Salt	
Yates	3400
Queen	4628
Delaware	5750
Bone Spring	7684
Wolfcamp	10536



APINUM:	30-025-28248
OPERATOR:	MOMENTUM ENERGY CORP
LEASENAME:	STATE MTS
WELL NO.	4

SURF LOC:	UL:	P	SEC:	4	TWN:	19S	RNG: 35E
	330 FSL				330 FEL		
BH LOC:	UL:	P	SEC:	4	TWN:	19S	RNG: 35E
	330 FSL				330 FEL		

MD	10725	KB	3901	DF	3900
		GL	3889		

POOL	PERFS 9490-9612
SCHARB;BONE SPRING	

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	296	350 sxs	17.5	0' Circ
INTM1	8.625	3550	1300 sxs	11	0' Circ
PROD	5.5	10725	600 sxs	7.875	7506 Cal

SPUD: 11/19/1983
COMP: 12/28/1983
P&A: 11/14/2006

wc sealed

PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

APINUM:	30-025-28520
OPERATOR:	LYNX PETROLEUM CONSULTANTS INC
LEASENAME:	SPRINKLE FEDERAL
WELL NO.	2

SURF LOC:	UL:	A	SEC:	9	TWN:	19S	RNG: 35E
	660 FNL				330 FEL		
BH LOC:	UL:	A	SEC:	9	TWN:	19S	RNG: 35E
	660 FNL				330 FEL		

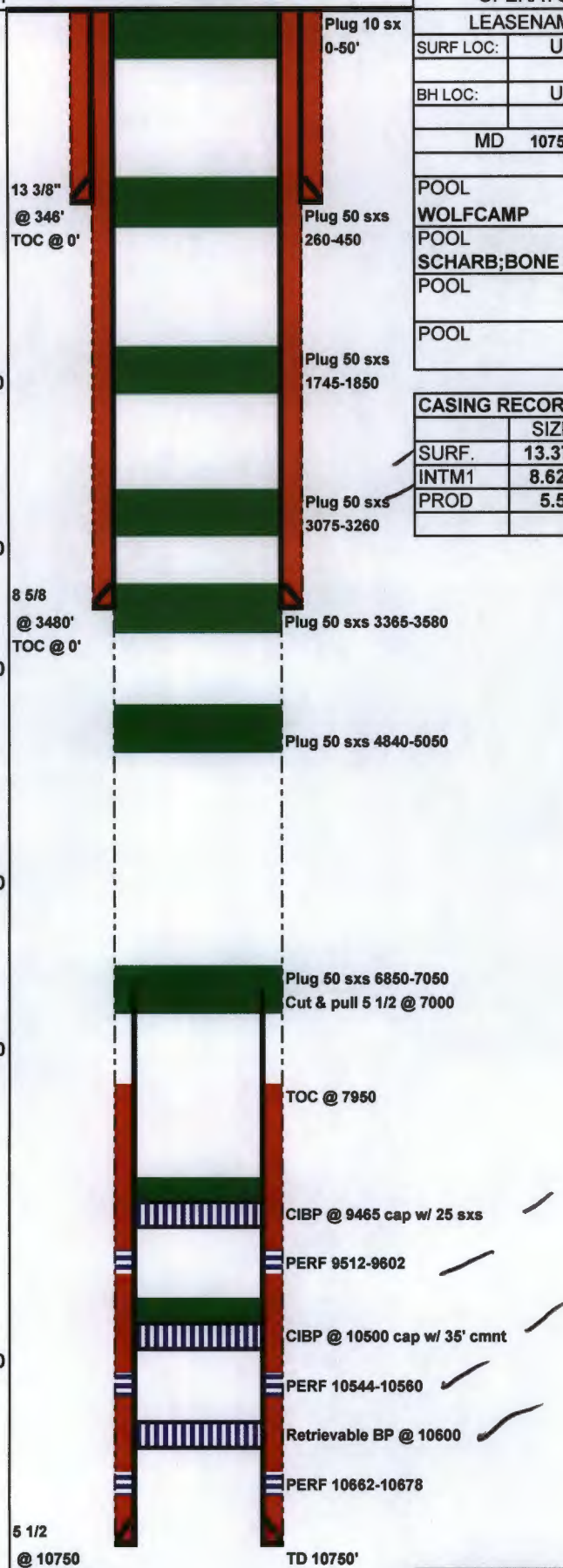
MD	10750		KB	3879	DF
			GL	3865	

POOL: WOLFCAMP	PERFS: 10759-10982
POOL: SCHARB;BONE SPRING	PERFS: 9532-9564
POOL	PERFS: 6430-7450
POOL	PERFS: 5578-5620

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	346	400 sxs	17.5	0' Circ
INTM1	8.625	3480	1700 sxs	11	0' Circ
PROD	5.5	10750	700 sxs	7.875	7950

SPUD: 12/15/1983
COMP: 02/06/1984
P&A: 05/25/2007

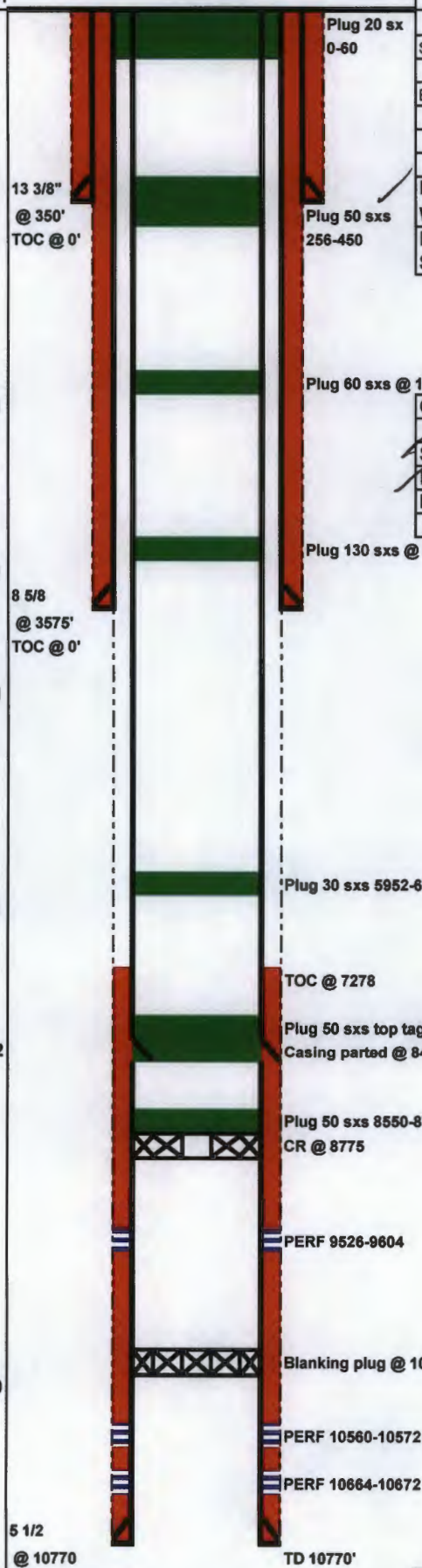


PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC

FORM	DEPTH
Rustler	not logged
T. Salt	
B. Salt	
Yates	not logged
Queen	not logged
Delaware	not logged
Bone Spring	7682
Wolfcamp	10519



APINUM:	30-025-28221
OPERATOR:	LYNX PETROLEUM CONSULTANTS INC
LEASENAME:	SPRINKLE FEDERAL
WELL NO.	1
SURF LOC:	UL: H SEC: 9 TWN: 19S RNG: 35E
	2063 FNL 841 FEL
BH LOC:	UL: H SEC: 9 TWN: 19S RNG: 35E
	2063 FNL 841 FEL
MD	10770
KB	3837
DF	
GL	3827
POOL	WOLFCAMP (Dry)
PERFS	10560-10572, 10664-10672
POOL	SCHARB;BONE SPRING
PERFS	9526-9604

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	350	350 sxs	17.5	0' Circ
INTM1	8.625	3575	1700 sxs	11	0' Circ
PROD	5.5	10770	650 sxs	7.875	7278 Cal

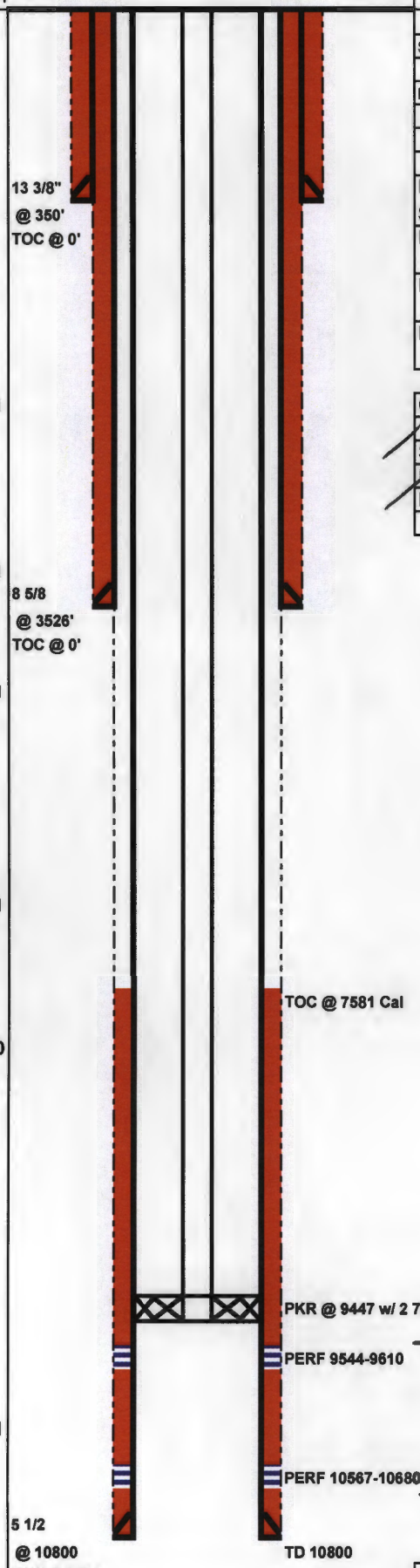
SPUD: 05/28/1983
COMP: 07/13/1983
P&A: 04/15/2008

PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC

FORM	DEPTH
Rustler	not logged
T. Salt	
B. Salt	
Yates	not logged
Queen	not logged
Delaware	not logged
Bone Spring	7680
Wolfcamp	10481



BS added under
Amended order

APINUM:	30-025-28521
OPERATOR:	DLJ EQUIPMENT LEASING LTD CO
LEASENAME:	SPRINKLE FEDERAL
WELL NO.	3

SURF LOC:	UL:	H	SEC:	9	TWN:	19S	RNG: 35E
	1650 FNL				460 FEL		
BH LOC:	UL:	H	SEC:	9	TWN:	19S	RNG: 35E
	1650 FNL				460 FEL		

MD	10800	KB	3847	DF	3846
		GL	3835		

POOL	PERFS 10567-10680
SWD;WOLFCAMP	
POOL	PERFS
POOL	PERFS
POOL	PERFS

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	350	400 sxs	17.5	0' Circ
INTM1	8.625	3526	1500 sxs	11	0' Circ
PROD	5.5	10800	600 sxs	7.875	7581 Cal

SPUD: 06/10/1984
COMP: 07/01/1985

CONVERTED TO SWD 03/26/1991

PREPARED BY: Eddie Seay | UPDATED 11/02/13

WELLBORE SCHEMATIC AND HISTORY

APINUM:	30-025-28225						
OPERATOR:	MESA OPERATING LP						
LEASENAME:	VACUUM STATE					WELL NO.	3
SURF LOC:	UL: C	SEC: 10	TWN: 19S	RNG: 35E			
	660 FNL		1980 FWL				
BH LOC:	UL: C	SEC: 10	TWN: 19S	RNG: 35E			
	660 FNL		1980 FWL				
MD 10793		KB 3860	DF 3859				
		GL 3844					
POOL		PERFS	10465-10484				
SCHARB;WOLFCAMP			10544-10650				
POOL		PERFS	8978-8999				
BONE SPRING (DRY)							
POOL		PERFS					
POOL		PERFS					

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	500	500 sxs	17.5	0' Circ
INTM1	8.625	4037	1850 sxs	11	0' Circ
PROD	5.5	10793	1245 sxs	7.875	7115 CBL

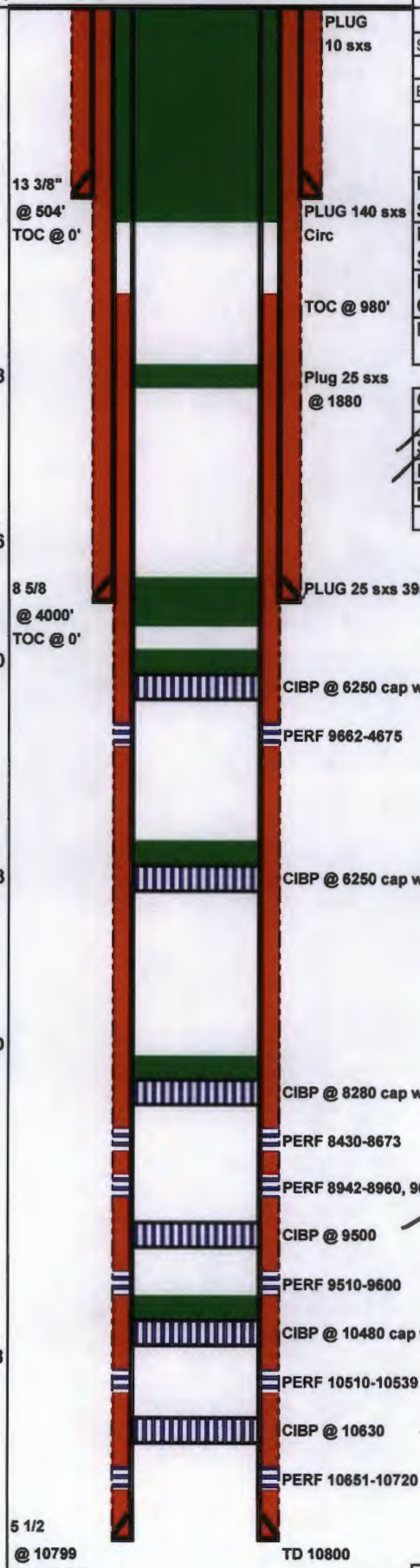
FORM	DEPTH
Rustler	1852
T. Salt	
B. Salt	
Yates	3460
Queen	4582
Delaware	6150
Bone Spring	7602
Wolfcamp	10392

SPUD: 05/25/1983
COMP: 07/06/1983
P&A: 05/27/1987

PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC



FORM	DEPTH
Rustler	1878
T. Salt	
B. Salt	
Yates	3436
Queen	4630
Delaware	6283
Bone Spring	7700
Wolfcamp	10508

APINUM:	30-025-28192				
OPERATOR:	YATES PETROLEUM CORP				
LEASENAME:	VACUUM STATE			WELL NO.	2
SURF LOC:	UL: D	SEC: 10	TWN: 19S	RNG:	35E
	660 FNL		660 FWL		
BH LOC:	UL: D	SEC: 10	TWN: 19S	RNG:	35E
	660 FNL		660 FWL		
MD 10800		KB 3895	DF		
		GL 3879			

POOL	PERFS	10651-10720 (P)
SCHARB;WOLFCAMP		10510-10539
POOL	PERFS	9510-9600
SCHARB;BONE SPRING		
POOL	PERFS	4662-4675
QUEEN (Dry)		
POOL	PERFS	

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	504	550 sxs	17.5	0' Circ
INTM1	8.625	4000	2315 sxs	11	0' Circ
PROD	5.5	10799	1810 sxs	7.875	980 Cal

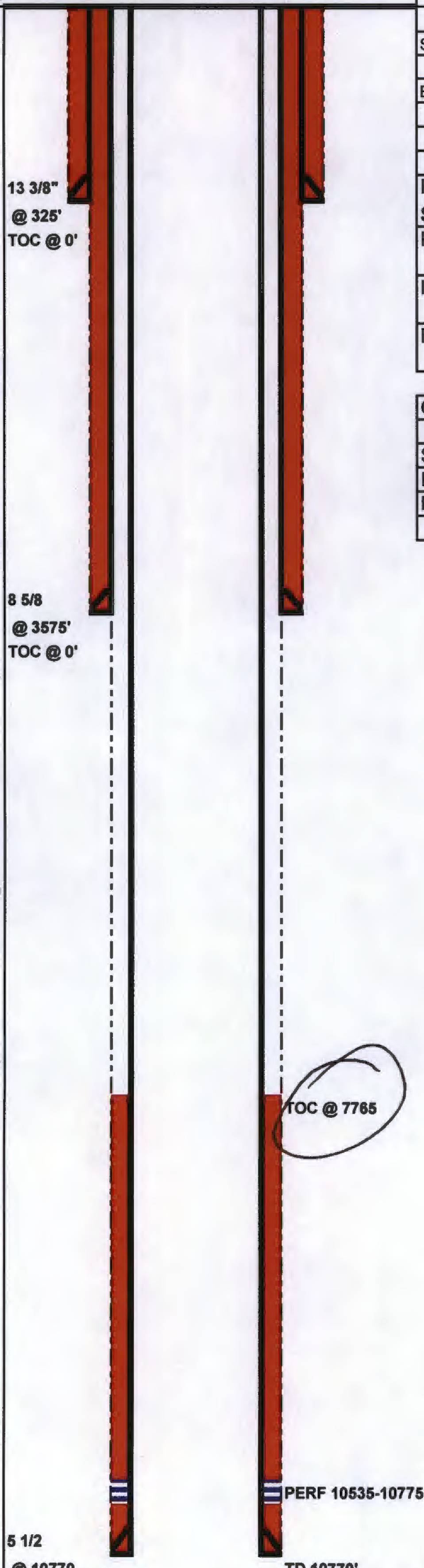
SPUD: 04/20/1983
COMP: 05/28/1983
P&A: 04/20/2007

PREPARED BY: Eddie Seay | UPDATED 10/31/13

BEFORE WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC

FORM	DEPTH
Rustler	1863
T. Salt	
B. Salt	
Yates	3450
Queen	4608
Delaware	5750
Bone Spring	7648
Wolfcamp	10478



APINUM:	30-025-28247						
OPERATOR:	MNA ENTERPRISES LTD CO						
LEASENAME:	STATE MTS					WELL NO.	3
SURF LOC:	UL:	F	SEC:	10	TWN:	19S	RNG: 35E
	1650 FNL				1650 FWL		
BH LOC:	UL:	F	SEC:	10	TWN:	19S	RNG: 35E
	1650 FNL				1650 FWL		
MD	10820		KB	3876	DF		
			GL	3864			
POOL	SCHARB;WOLFCAMP				PERFS	10535-10775	
POOL					PERFS		
POOL					PERFS		
POOL					PERFS		

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	325	350 sxs	17.5	0' Circ
INTM1	8.625	3575	1300 sxs	11	0' Circ
PROD	5.5	10820	570 sxs	7.875	7765 Cal

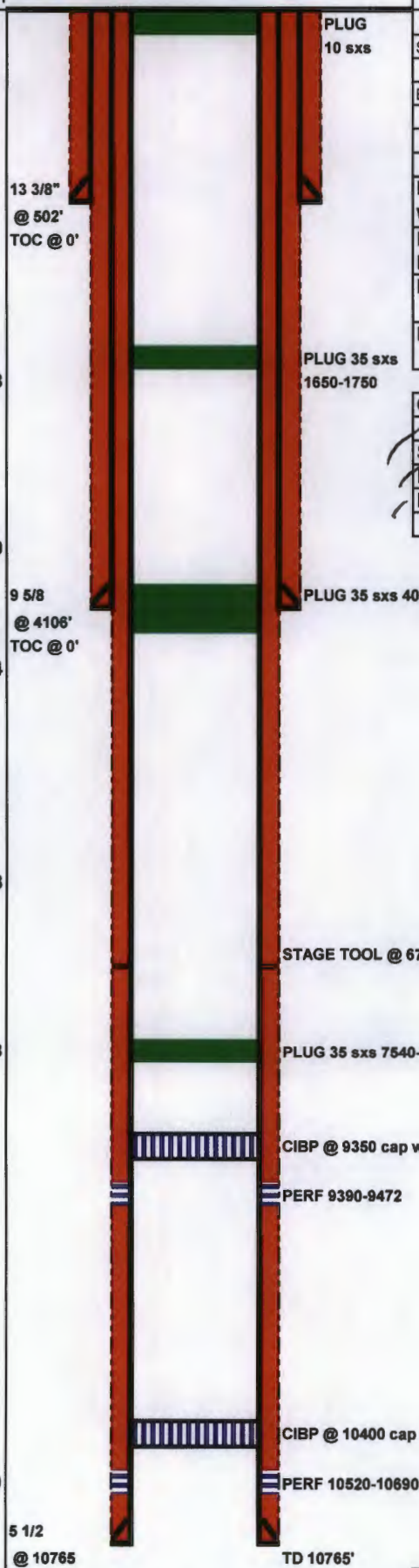
SPUD: 02/08/1983
COMP: 03/18/1983

Proposed for SWD

PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC



FORM	DEPTH

APINUM:	30-025-28625						
OPERATOR:	TEXACO PRODUCING INC						
LEASENAME:	SHARB 10 STATE					WELL NO.	2
SURF LOC:	UL: K	SEC: 10		TWN: 19S		RNG:	35E
	2310 FSL			2310 FWL			
BH LOC:	UL: K	SEC: 10		TWN: 19S		RNG:	35E
	2310 FSL			2310 FWL			
MD 10765		KB 3860		DF 3859			
		GL 3842					
POOL				PERFS	10520-10690		
WOLFCAMP (Dry)							
POOL				PERFS	9390-9472		
BONE SPRING (Dry)							
POOL				PERFS			
POOL				PERFS			

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	502	400 sxs	17.5	0' Circ
INTM1	9.625	4106	1535 sxs	12.25	0' Circ
PROD	7	10765	1550 sxs	8.5	0' Circ

Stage tool @ 6798

Stg1: 725 sxs circ 150 sxs
Stg2: 825 sxs circ 100 sxs

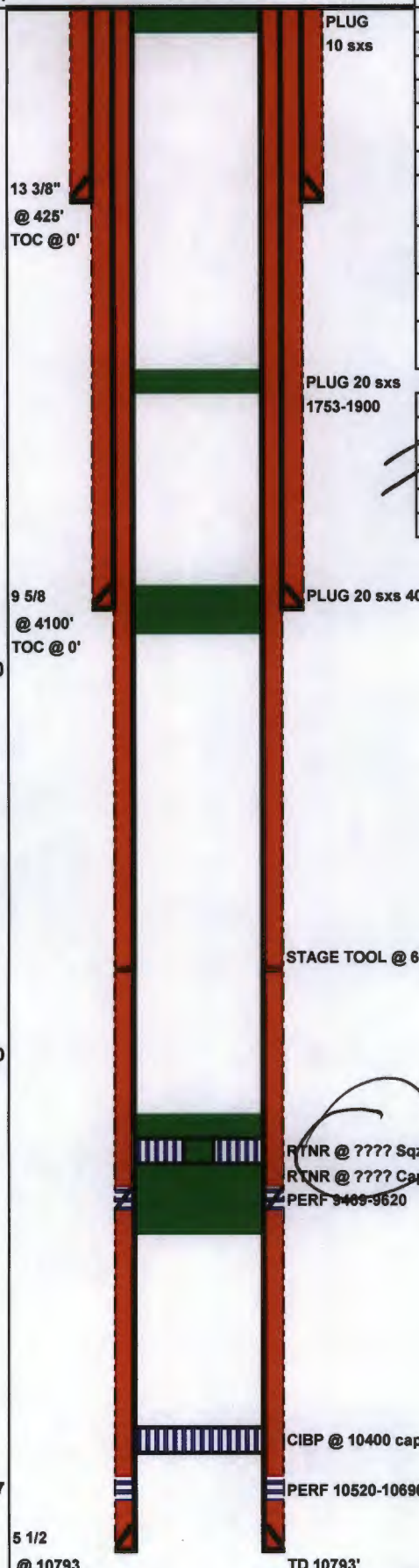
SPUD: 04/08/1984
COMP: 06/20/1984
P&A: 06/26/1985

PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC

FORM	DEPTH
Rustler	
T. Salt	
B. Salt	
Yates	
Queen	4550
Delaware	
Bone Spring	7700
Wolfcamp	10517



APINUM:	30-025-28298				
OPERATOR:	GETTY OIL CO				
LEASENAME:	SHARB 10 STATE			WELL NO.	1
SURF LOC:	UL: L	SEC: 10	TWN: 19S	RNG:	35E
	1980 FSL		660 FWL		
BH LOC:	UL: L	SEC: 10	TWN: 19S	RNG:	35E
	1980 FSL		660 FWL		
MD 10793		KB 3835	DF		
		GL 3821			

POOL	PERFS 10576-10716
WOLFCAMP (Dry)	
POOL	PERFS 9532-9620
BONE SPRING (Dry)	9469-9548
POOL	PERFS
POOL	PERFS

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	425	450 sxs	17.5	0' Circ
INTM1	8.625	4100	1500 sxs	11	0' Circ
PROD	5.5	10793	1825 sxs	7.875	0' Circ

Stage tool @ 6027

Stg1: 950 sxs circ 70 sxs
Stg2: 875 sxs circ 90 sxs

SPUD: 08/14/1983
COMP: 10/27/1983
P&A: 03/09/1985

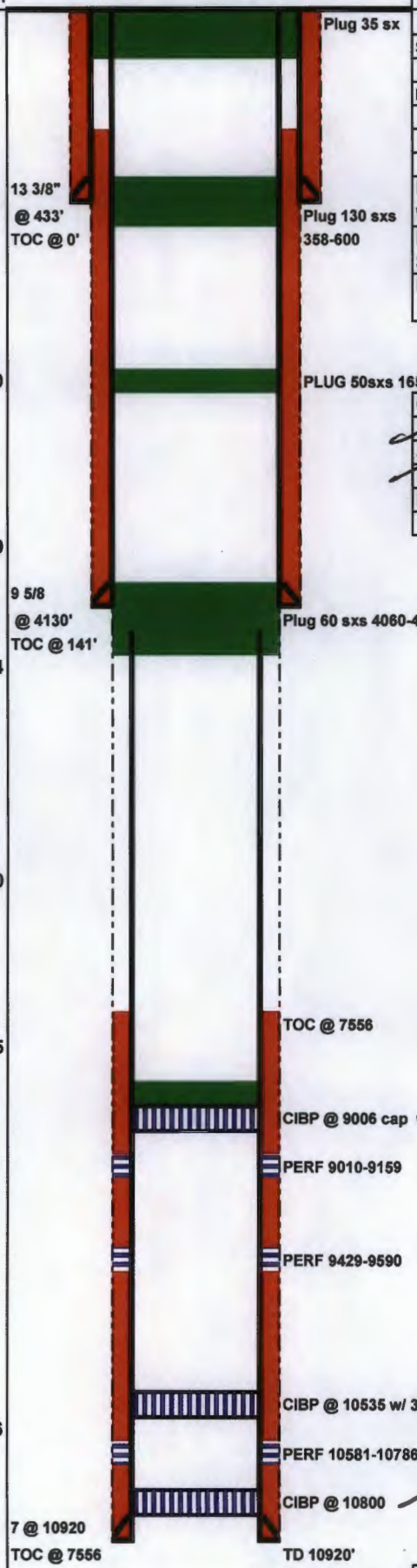
PREPARED BY: Eddie Seay | UPDATED 10/31/13

WELLBORE SCHEMATIC AND HISTORY

APINUM:	30-025-28252
OPERATOR:	MOBIL PRODUSING TX & NM INC
LEASENAME:	GOVERNMENT 10 — WELL NO. 1
SURF LOC:	UL: M SEC: 10 TWN: 19S RNG: 35E
	660 FSL 660 FWL
BH LOC:	UL: M SEC: 10 TWN: 19S RNG: 35E
	660 FSL 660 FWL
MD 10920	KB 3814 DF 3813
	GL 3796
POOL WOLFCAMP	PERFS 10581-10786
POOL SCHARB;BONE SPRING	PERFS 9429-9590
POOL	PERFS

FORM	DEPTH
Rustler	1800
T. Salt	
B. Salt	
Yates	3220
Queen	4594
Delaware	5760
Bone Spring	7715
Wolfcamp	10426

COMPLETION SCHEMATIC



CASING RECORD

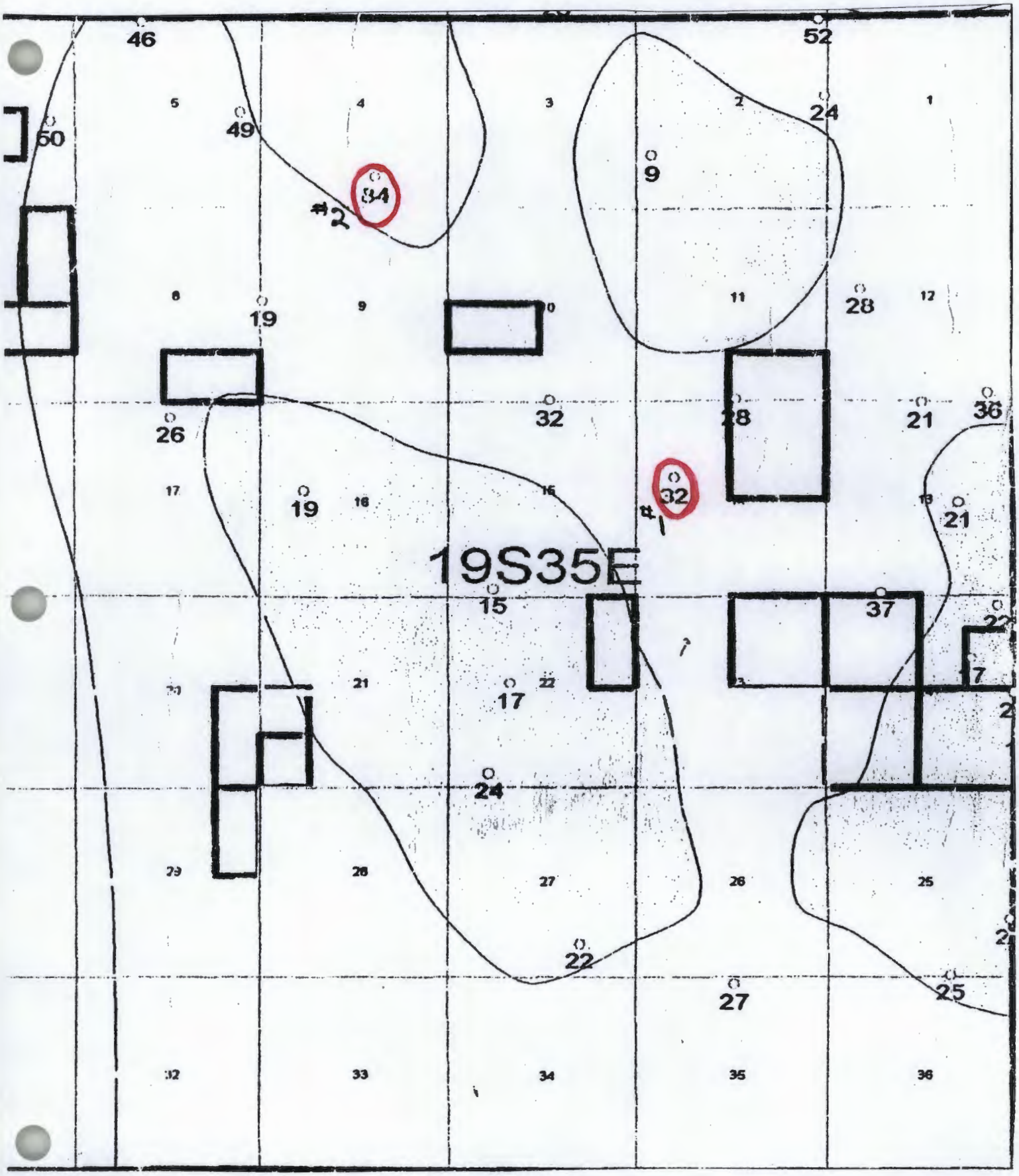
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	13.375	433	425 sxs	17.5	0' Circ
INTM1	9.625	4130	1705 sxs	12.25	141 Cal
PROD	7	10920	460 sxs	8.5	7566 Cal

SPUD: 07/20/1983
COMP: 10/14/1983
P&A: 02/06/1990

PREPARED BY: Eddie Seay — UPDATED 10/31/13

Water Sample Analysis

Pool	Location Section	Township	Range	Chlorides
North Justis Montoya	2	25S	37E	45440
North Justis McKee	2	25S	37E	58220
North Justis Fusselman	2	25S	37E	68533
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	38494
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	124960
Anderson Ranch Wolfcamp	2	16S	32E	11040
Anderson Ranch Devonian	11	16S	32E	25702
Anderson Ranch Unit	11	16S	32E	23786
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



Groundwater Map

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	10/24/2013	Sampling Date:	10/24/2013
Reported:	10/31/2013	Sampling Type:	Water
Project Name:	MTS 2 & 3 SWD	Sampling Condition:	Cool & Intact
Project Number:	MTS - SWD	Sample Received By:	Jodi Henson
Project Location:	WEST HOBBS 10 - 19 - 35		

Sample ID: MTS - WW #1 (H302586-01)

Chloride, SM4500Cl-B mg/L **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**44.0**	4.00	10/25/2013	ND	100	100	100	0.00	

TPH 8015M mg/L **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	10/31/2013	ND	47.4	94.8	50.0	15.1	
DRO >C10-C28	<1.00	1.00	10/31/2013	ND	44.4	88.7	50.0	15.6	
EXT DRO >C28-C35	<1.00	1.00	10/31/2013	ND	ND		0.00		

Surrogate: 1-Chlorooctane	*87.3 %*	*48.7-164*
Surrogate: 1-Chlorooctadecane	*102 %*	*54.8-165*

Sample ID: MTS - WW #2 (H302586-02)

Chloride, SM4500Cl-B mg/L **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**96.0**	4.00	10/25/2013	ND	100	100	100	0.00	

TPH 8015M mg/L **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	10/31/2013	ND	47.4	94.8	50.0	15.1	
DRO >C10-C28	<1.00	1.00	10/31/2013	ND	44.4	88.7	50.0	15.6	
EXT DRO >C28-C35	<1.00	1.00	10/31/2013	ND	ND		0.00		

Surrogate: 1-Chlorooctane	*73.2 %*	*48.7-164*
Surrogate: 1-Chlorooctadecane	*81.8 %*	*54.8-165*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

LEASE OWNERS AND OFFSETS

LANDOWNER & MINERAL OWNER

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

LAND LESSEE

Chris Northcutt
303 North Pearl Valley Rd.
Hobbs, NM 88240

OFFSET OPERATOR & MINERAL OWNERS

JKM Energy Corp.
26 E. Compress Rd.
Artesia, NM 88210

Momentum Energy
Box 578
Albany, TX 76430

Yates Petroleum Corp.
105 S. Fourth St.
Artesia, NM 88210

Exxon/Mobil Prod. TX & NM Inc.
800 Bell St.
Houston, TX 77002

Bureau of Land Management - BLM
620 E. Green St.
Carlsbad, NM 88220

Lynx Petroleum Consultants Inc.
Box 1708
Hobbs, NM 88241

Nadel and Gussman
601 N. Marienfield, Ste. 508
Midland, TX 79701

Chevron USA Inc.
15 Smith Road
Midland, TX 79705

DLJ Equipment Leasing LTD Co.
P.O. Box 2140
Lovington, NM 88260

MNA ENTERPRISE LTD. CO.

November 2013

RE: State MTS #2 (API 30-025-28141)
Unit E, Section 10, Tws. 19 S., Rng. 35 E.
Lea County, NM

Dear Sir:

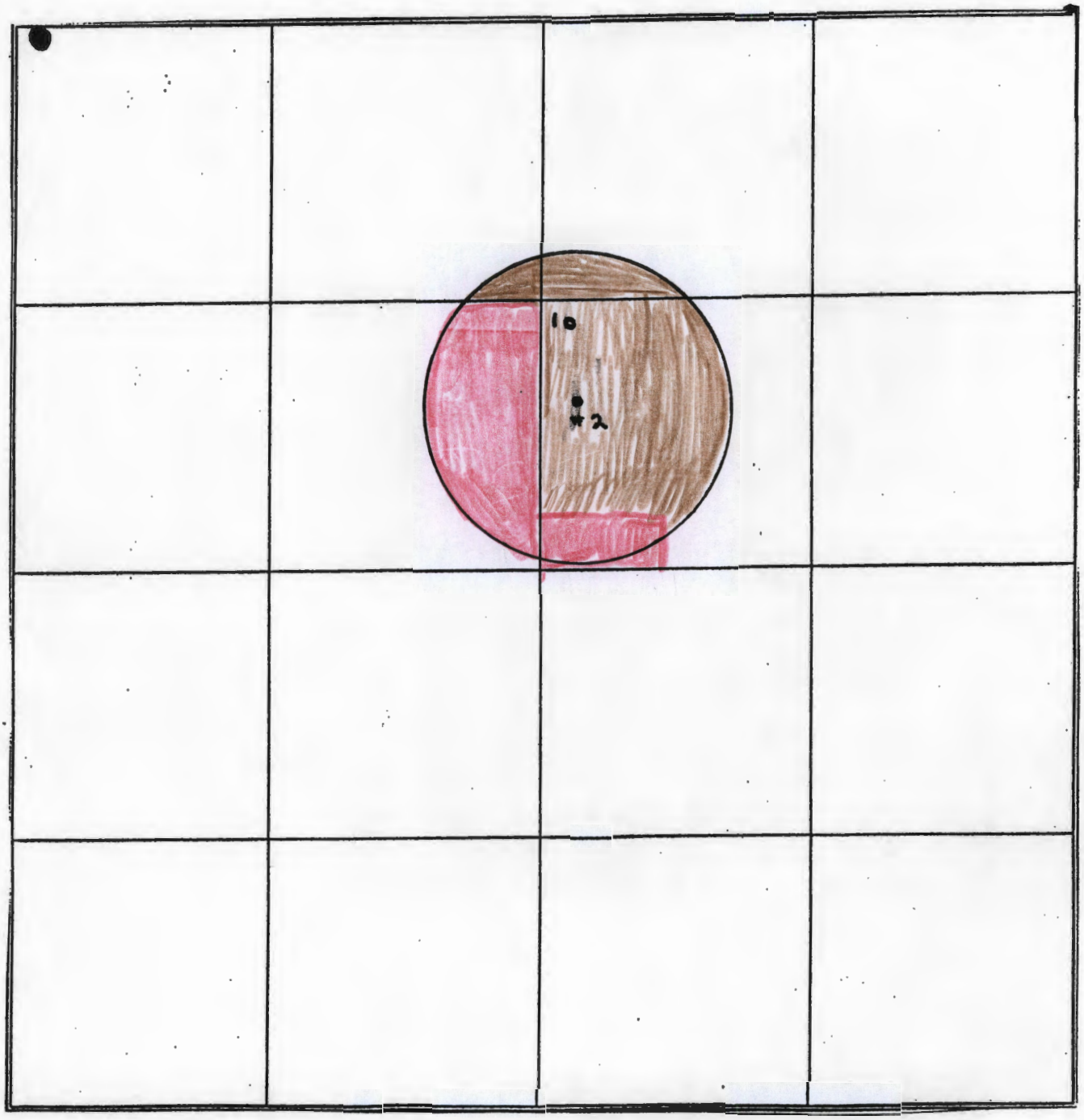
In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108, Application for Authorization to Inject in to the above captioned well.

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

Offset Mineral Interest



Federal Minerals

State Minerals

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Santa Fe, NM 87504-1148

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Lovington, NM 88260

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303 North Pearl Valley Rd.
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Hobbs, NM 88240

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City, State, ZIP+4
Artesia, NM 88210

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Carlsbad, NM 88220

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Chevron USA Inc.
Street, Apt. No., or PO Box No.
15 Smith Road
City, State, ZIP+4
Midland, TX 79705

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Street, Apt. No.; or PO Box No.: 601 N. Marienfield, Ste. 508
City, State, ZIP+4: Midland, TX 79701

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Street, Apt. No.; or PO Box No.: Box 1708
City, State, ZIP+4: Hobbs, NM 88241

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Street, Apt. No.; or PO Box No.: 800 Bell St.
City, State, ZIP+4: Houston, TX 77002

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Sent To: Momentum Energy
Street, Apt. No.; or PO Box No.: Box 578
City, State, ZIP+4: Albany, TX 76430

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LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, MNA Enterprise LTD Co., 106 W. Alabama, Hobbs, NM 88242, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the State MTS #2, located in Unit E, Section 10, Township 19 South, Range 35 East, Lea Co., NM. The injection formation is the Wolfcamp through perforations from 10510′ to 10770′ below surface. Expected maximum injection rate is 10,000 bpd., and the expected maximum injection pressure is 2000 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.

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 Manager of THE LOVINGTON LEADER, a thrice a week 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 LEADER and not in any supplement thereof, for one (1) day(s), beginning with the issue of November 16 , 2013 and ending with the issue of November 16 , 2013.

And that the cost of publishing said notice is the sum of $ 26.93 which sum has been (Paid) as Court Costs.

Joyce Clemens

Joyce Clemens, Advertising Manager
Subscribed and sworn to before me this 21st day of November , 2013.

Gina Fort

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

OFFICIAL SEAL
GINA FORT
Notary Public
State of New Mexico
My Comm. Expires 6/30/14

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, MNA Enterprise LTD Co., 106 W. Alabama, Hobbs, NM 88242, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the State MTS #2, located in Unit E, Section 10, Township 19 South, Range 35 East, Lea Co., NM. the injection formation is the Wolfcamp through perforations from 10510' to 10770' below surface. Expected maximum injection rate is 10,000 bpd, and the expected maximum injection pressure is 2000 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 November 16, 2013.

same as application

November 2013

NMOCD Engineering
ATTN: Phillip R. Goetz
1220 S. Saint Francis Dr.
Santa Fe, NM 87505

RE: MNA Enterprise LTD, Co.
C-108 Applications
State MTS #2 and #3

Mr. Goetze:

Find enclosed two C-108 Applications for the MTS #2 and #3. The wells have stopped producing economic volumes to continue operations.

MNA decided to convert these wells to SWD's due to demand for water disposal, the only other option is to P & A. With the conversion to SWD's, the State of New Mexico will receive appreciable revenues.

I thank you for your consideration in these permits. Look forward to hearing from you.

Sincerely,

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

cc: MNA

Lawson Operating, LLC
P O Box 52667
Midland, Texas 79710
Phillip Lawson, Manager

November 29, 2013

NMOCD
1220 S Saint Francis Dr.
Santa Fe, NM 87504

RE: Objection to SWD permit and request for hearing, MNA Enterprises Ltd.Co. State MTS No. 2 (API 30-025-28247) and State MTS No. 3 (API 30-025-28141)

Dear Sirs,

Lawson Operating, LLC hereby files formal objection to the granting of SWD status on the subject wells as described in the C-108, Application for Authorization to Inject, as filed with the New Mexico Oil Conservation Division.

Sincerely,

Phillip Lawson, Manager

Goetze, Phillip, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Wednesday, December 04, 2013 4:12 PM
To: Eddie Seay (seay04@leaco.net)
Cc: Ezeanyim, Richard, EMNRD; McMillan, Michael, EMNRD
Subject: Protests of MNA Enterprises C-108 Applications for State MTS Well No. 2 and No. 3

RE: State MTS #2 (API 30-025-28141; pPRG1333754102) Sec. 10, T. 19 S., R. 35 E., NMPM, Lea County.
State MTS #3 (API 30-025-28247; pPRG1333754483) Sec. 10, T. 19 S., R. 35 E., NMPM, Lea County.

Mr. Seay:

OCD was notified by Mr. Phillip Lawson, manager of Lawson Operating, LLC (Lawson), that they are protesting both SWD applications. Lawson did not provide a specific reason for the objection, but requested that a hearing be conducted for each C-108 application. Therefore, you are being notified that if MNA Enterprises wishes for these applications to be considered, it must either go to hearing or may be reviewed administratively if the protest is withdrawn as a result of a negotiated resolution with Lawson. The applications will be retained, but suspended from further administrative review. Please contact OCD once you have made a decision regarding the applications. Please contact me with any questions regarding this matter. PRG

Contact Information for Lawson: (432) 556-0797; P. O. Box 52667, Midland TX 79710

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462

Goetze, Phillip, EMNRD

From: Patrick B. McMahon <hsncpbm@leaco.net>
Sent: Tuesday, January 07, 2014 5:01 PM
To: Goetze, Phillip, EMNRD
Cc: seay04@leaco.net
Subject: MNA Enterprises LTD. CO. /SWD permit application

Phillip,

Regarding our meeting on December 23rd concerning MNA Enterprises LTD. Co.'s swd permit application and the protest filed by Lawson Operating, I have been instructed by MNA to obtain legal counsel and to move forward with a hearing. Either myself or MNA's hearing counsel will follow up on this matter. If you have any questions, please advise.

Thank You,

Patrick B. McMahon
HEIDEL, SAMBERSON, NEWELL, COX & McMAHON
311 N. 1ST STREET
PO BOX 1599
LOVINGTON, NM 88260
TEL: 575.396.5303
FAX: 575.396.5305

Lawson Operating, LLC
PO Box 52667
Midland, TX 79710

New Mexico Oil Conservation Division
Attention: Phillip Goetze
1220 South Saint Francis Dr.
Sante Fe, NM 87504

January 21, 2014

RE: Withdrawal of Protest/MNA Enterprises Ltd. Co. State MTS No.2 (API 30-025-28247) and State MTS No.3 (API 30-025-28141) SWD Permit Applications.

Dear Mr. Goetze:

Please accept this correspondence on behalf of Lawson Operating, LLC. Lawson Operating, LLC hereby withdraws its formal objection/protest to the granting of SWD status on the above referenced wells. Attached for your convenience is a copy of my November 29, 2013 protest letter.

Thank you for your consideration.

Sincerely,

Phillip Lawson, Manager

cc: Jami Bailey, Division Director, NMOCD
Daniel Alexander, MNA Enterprises
Patrick B. McMahon

C-108 Review Checklist: Received 12/02/13 Add. Request: — Reply Date: — Suspended: — [Ver 13]

Protested by Lawson* / Withdrawn

PERMIT TYPE: WFX / PMX / SWD Number: 1490 Permit Date: 06/30/14 Legacy Permits/Orders: NA

Well No. 2 Well Name(s): State MTS

* Lawson has pending DHC application to add WC to existing BS producer.

API : 30-0 25 - 28141 Spud Date: 02/08/83 New or Old: New (UIC Class II Primacy 03/07/1982) (Sec 15)

Footages 1980 FNL/510 FWL Lot — or Unit E Sec 10 Tsp 19S Rge 36E County Lea

General Location: South of Buckeye - 5mi West of Arkansas Junction Pool: Red - Scharb; Wolfcamp SWD: Wolfcamp Pool No.: 55640

BLM 100K Map: Hobbs Operator: MNA Enterprises LTD, Co. OGRID: 124768 Contact: Eddie Seay

COMPLIANCE RULE 5.9: Total Wells: 12 Inactive: 1 Fincl Assur: Yes Compl. Order? No **IS 5.9 OK?** Yes Date: 06/30/14

WELL FILE REVIEWED ✓ Current Status: Depleted producer - no supporting data in application / IP 300 bo

WELL DIAGRAMS: NEW: Proposed ○ or **RE-ENTER:** Before Conv. ✓ After Conv. ✓ Logs in Imaging: CDL/NL + GR/Collar Dual Ind.

Planned Rehab Work to Well: Additional perforation - well treatment / stimulation

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned — or Existing ✓ Surface	17½ / 13⅜	0 to 300	Stage Tool	750	Cir. to surface
Planned — or Existing ✓ Interm/Prod	11 / 8⅝	0 to 3550	None	1800	Cir. to surface
Planned — or Existing ✓ Interm/Prod	7⅞ / 5½	0 to 10770	None	600	7551' calc — Used 75%
Planned — or Existing — Prod/Liner	—	—	—	—	—
Planned — or Existing — Liner	—	—	—	—	—
Planned ✓ or Existing — OH / PERF	7⅞ / 5½	10510 to 10770 / 10736	Inj Length 260 / 226 perfs		

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	
Adjacent Unit: Litho. Struc. Por.		—	—
Confining Unit: Litho. Struc. Por.	Ø	Bone Spring fm	—
Proposed Inj Interval TOP:	10510	Wolfcamp fm	10510
Proposed Inj Interval BOTTOM:	10770 10736		
Confining Unit: Litho. Struc. Por.		Cisco fm	?
Adjacent Unit: Litho. Struc. Por.		—	—

Completion/Operation Details:

Drilled TD 10770 PBTD 10736

NEW TD NA NEW PBTD NA

NEW Open Hole ○ or NEW Perfs ✓

Tubing Size 3½ in. Inter Coated? Yes

Proposed Packer Depth 10410 ft

Min. Packer Depth 10410 (100-ft limit)

Proposed Max. Surface Press. 2000 psi max

Admin. Inj. Press. 2102 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P No Noticed? NA **BLM Sec Ord** No **WIPP** No Noticed? NA **SALT/SALADO** T: — B: — **CLIFF HOUSE** NA

FRESH WATER: Aquifer Ogallala Max Depth 400' **HYDRO AFFIRM STATEMENT By Qualified Person** ✓

NMOSE Basin: Lea **CAPITAN REEF:** thru ○ adj ○ NA ✓ **No. Wells within 1-Mile Radius?** 2 FW Analysis ✓

Disposal Fluid: Formation Source(s) Devonian/BS/Wolfcamp/Kem Analysis? Book values On Lease ○ Operator Only ○ or Commercial ✓

Disposal Int: Inject Rate (Avg/Max BWPD): 10000 Protectable Waters? No Source: Prod. Sampling System: Closed ○ or Open ○

HC Potential: Producing Interval? Yes Formerly Producing? Yes Method: Logs/DST/P&A/Other Decline curve + prod. history 2-Mile Radius Pool Map ○ No

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 11 Horizontals? ∅

Penetrating Wells: No. Active Wells 3 Num Repairs? ∅ on which well(s)? ⊖ SWD application being considered for State MTS #3 Diagrams? Yes

Penetrating Wells: No. P&A Wells 8 Num Repairs? ∅ on which well(s)? Diagrams? Yes

NOTICE: Newspaper Date 11/16/2013 Mineral Owner SLO Surface Owner SLO (Notified lessee) N. Date 11/14/2013

RULE 26.7(A): Identified Tracts? Yes Affected Persons: JKM Energy / Nde | & Gussman / Yates / Lynx Pet. Chevron / Exxon / BLM / Momentum Energy N. Date 11/14/2013

Permit Conditions: Issues: Production info lacking - additional data for economic / discussed with Mike & Richard

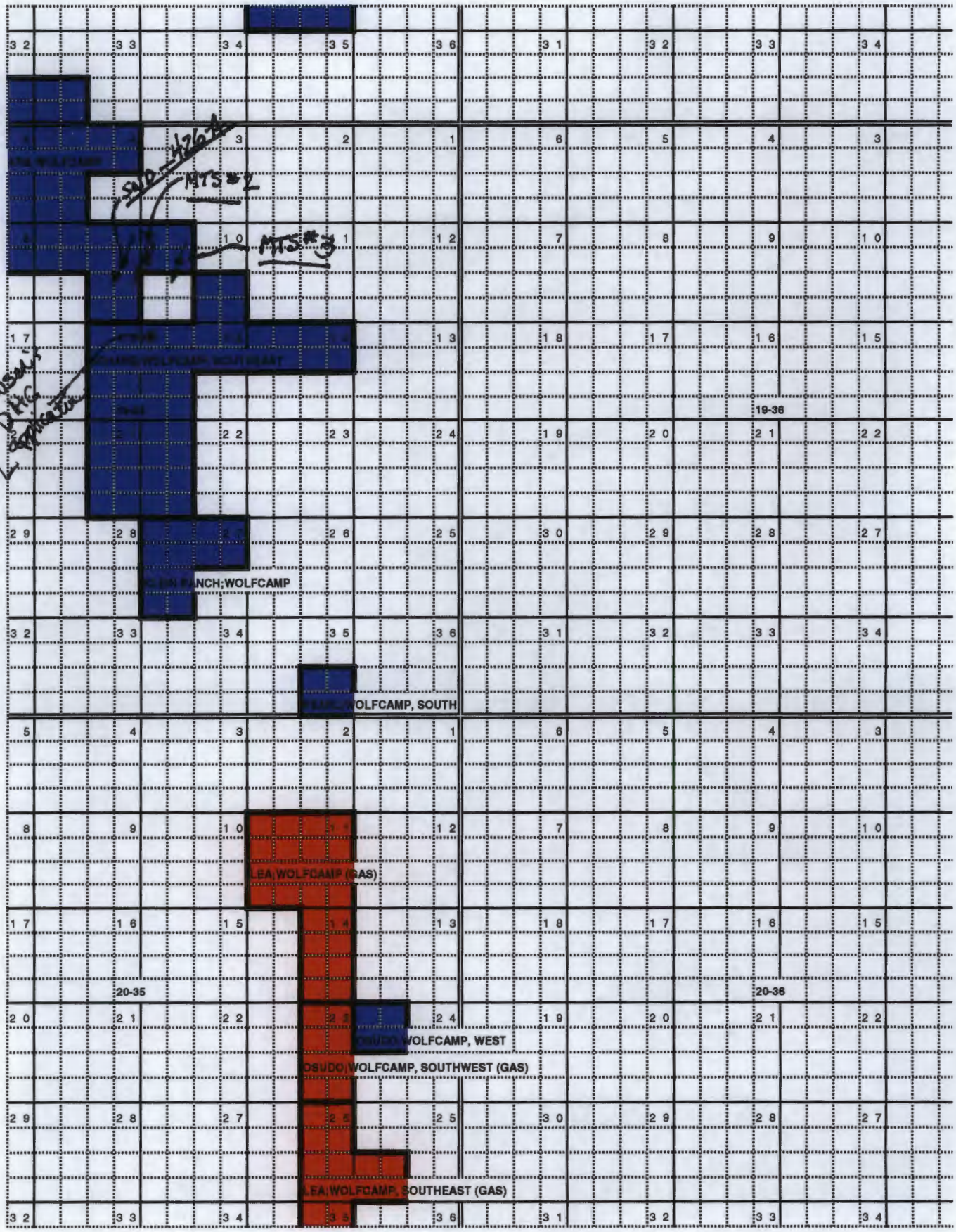
Add Permit Cond: (Modified interval to PBTD of 10736) No Special Requirements

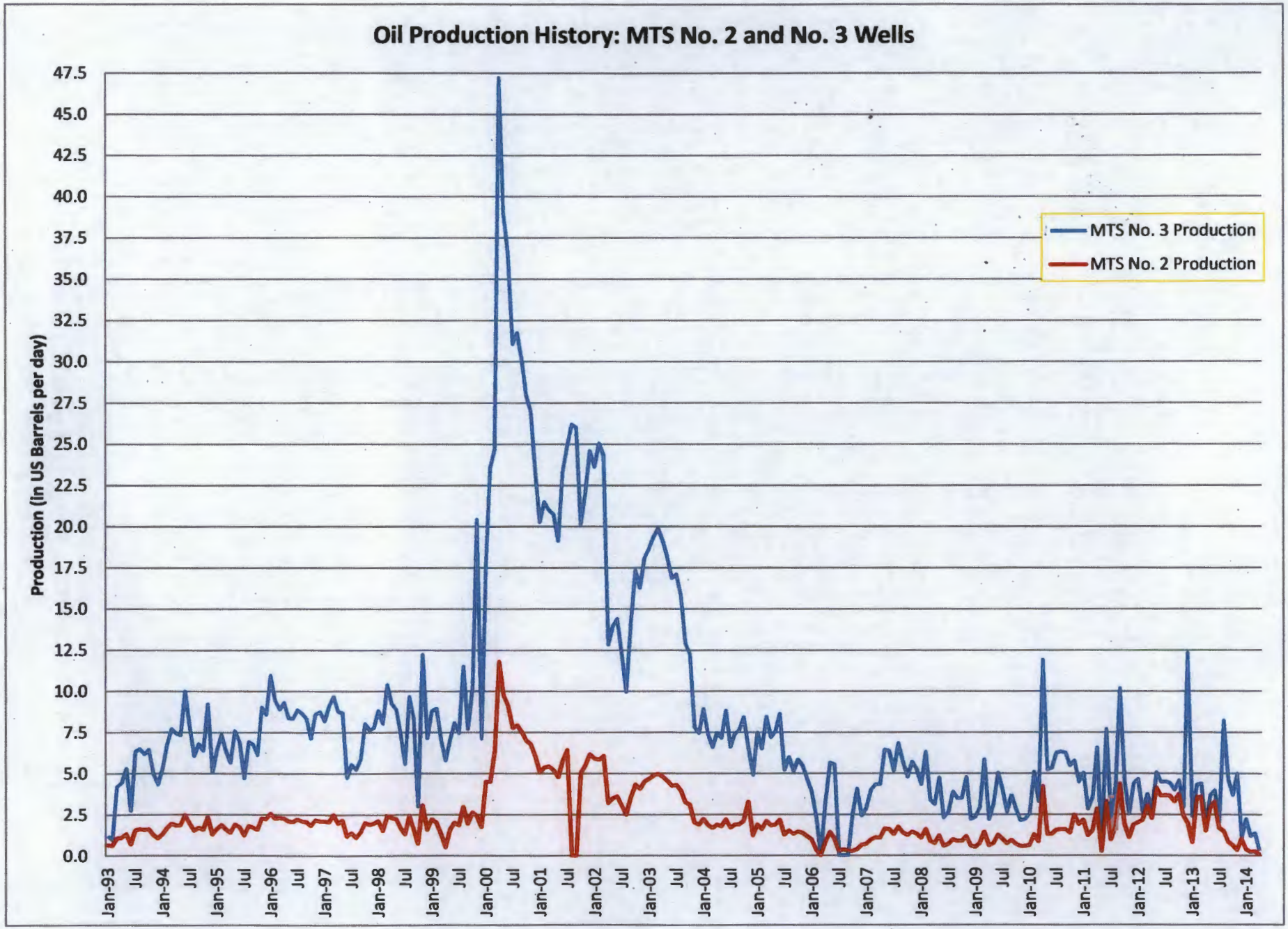
MTS No. 2 and No. 3 SWD Applications: Wolfcamp and Bone Spring Production Completion History in One-Mile Radius Area
Pools: Scharb Wolfcamp [55640] and Scharb Bone Spring [55610]

API WELL #	Well Name	Well #	Operator Name	Type	Stat	Surf	UL	Sec	Twp	Rng	Formation Target and Final Completion/Production
30-025-28397-00-00	QUEEN B LEE STATE	001	JKM ENERGY, LLC	O	A	S	M	3	19	35	**Initial Scharb WC test; PB to Queen**
30-025-27046-00-00	SCHARB 4	002	DALLAS PRODUCTION	O	P	S	F	4	19	35	**Initial Scharb WC production; PB to Bone Spring in 1989**
30-025-27943-00-00	VACUUM STATE	001	YATES PETROLEUM CORPORATION	G	P	S	J	4	19 S	35	Scharb Bone Spring
30-025-27774-00-00	NEW MEXICO DD STATE	001	J & G ENTERPRISE LTD. CO.	O	P	S	N	4	19 S	35	Scharb Bone Spring
30-025-20549-00-00	MARATHON STATE	001	AMMEX PETROLEUM INC	O	P	S	O	4	19 S	35	Scharb Bone Spring; P&A-no production
30-025-28017-00-00	NEW MEXICO DD STATE	005	J & G ENTERPRISE LTD. CO.	O	P	S	D	4	19 S	35	**Scharb WC; P&A 1997**
30-025-28257-00-00	VACUUM STATE	004	YATES PETROLEUM CORPORATION	O	P	S	I	4	19 S	35	Scharb Bone Spring; tested WC - no shows
30-025-27947-00-00	STATE MTS	001	WESTERN OIL PRODUCERS INC	O	P	S	O	4	19 S	35	Scharb Bone Spring
30-025-27775-00-00	NEW MEXICO DD STATE	003	J & G ENTERPRISE LTD. CO.	O	P	S	B	4	19 S	35	Scharb Bone Spring
30-025-28018-00-00	NEW MEXICO DD STATE	006	J & G ENTERPRISE LTD. CO.	O	P	S	G	4	19 S	35	Scharb Bone Spring
30-025-27227-00-00	SCHARB 4	003	DNCS	O	P		A	4	19 S	35	**DST WC and BS; P&A-no production**
30-025-28248-00-00	STATE MTS	004	MOMENTUM ENERGY CORPORATION	O	P	S	P	4	19 S	35	Scharb Bone Spring
30-025-28016-00-00	QUEEN DD STATE	004	NADEL AND GUSSMAN PERMIAN, LLC	O	A	S	K	4	19	35	**Initial Scharb WC production; PB to Bone Spring in 1984**
30-025-27663-00-00	NEW MEXICO DD STATE	002	NADEL AND GUSSMAN PERMIAN, LLC	O	A	S	E	4	19	35	**Initial Scharb WC production; PB to Bone Spring in 1984**
30-025-26891-00-00	SCHARB 4	001	LINN OPERATING, INC.	O	H	S	M	4	19 S	35	Scharb Bone Spring
30-025-27377-00-00	SCHARB 9	001	DALLAS PRODUCTION	O	P	P	D	9	19	35	**Initial Scharb WC test; PB to Bone Spring**
30-025-28378-00-00	SCHARB 9	003	DALLAS PRODUCTION	O	P	P	L	9	19 S	35	Scharb Bone Spring
30-025-28656-00-00	SCHARB 9	004	DALLAS PRODUCTION	O	P	P	C	9	19 S	35	Scharb Bone Spring
30-025-28157-00-00	GOVERNMENT 9	001	*LYNX PETROLEUM CONSULTANTS INC*	O	P	F	G	9	19 S	35	Scharb Bone Spring
30-025-27766-00-00	ELKAN	001	ELK OIL CO	O	P	P	K	9	19 S	35	Scharb Bone Spring
30-025-27915-00-00	ELKAN	002	ELK OIL CO	O	P	P	O	9	19	35	**Initial Scharb WC test; PB to Bone Spring**
30-025-28835-00-00	SCHARB 9	005	DALLAS PRODUCTION	O	P	P	M	9	19 S	35	Scharb Bone Spring
30-025-28191-00-00	GOVERNMENT 9	002	*LYNX PETROLEUM CONSULTANTS INC*	O	P	F	I	9	19 S	35	Scharb Bone Spring
30-025-28370-00-00	ELKAN	003	ELK OIL CO	O	P	P	J	9	19	35	**Initial Scharb WC production; PB to Bone Spring in 1984**
30-025-29137-00-00	ELKAN	004	ELK OIL CO	O	P	P	N	9	19 S	35	Scharb Bone Spring
30-025-28520-00-00	SPRINKLE FEDERAL	002	*LYNX PETROLEUM CONSULTANTS INC*	O	P	F	A	9	19	35	**Initial Scharb WC production; PB to Bone Spring in 1986**
30-025-28221-00-00	SPRINKLE FEDERAL	001	*LYNX PETROLEUM CONSULTANTS INC*	O	P	F	H	9	19	35	**Initial Scharb WC test; PB to Bone Spring**
30-025-28521-00-00	**SPRINKLE FEDERAL**	**003**	**DLJ EQUIPMENT LEASING LTD. CO.**	**S**	**A**	**F**	**H**	**9**	**19**	**35**	**SWD-426: disposal in WC with Bone Spring added later**
30-025-28195-00-00	SCHARB 9	002	LINN OPERATING, INC.	O	A	P	F	9	19 S	35	Scharb Bone Spring

MTS No. 2 and No. 3 SWD Applications: Wolfcamp and Bone Spring Production Completion History in One-Mile Radius Area
Pools: Scharb Wolfcamp [55640] and Scharb Bone Spring [55610]

API WELL #	Well Name	Well #	Operator Name	Type	Stat	Surf	UL	Sec	Twp	Rng	Formation Target and Final Completion/Production
30-025-28141-00-00	STATE MTS	2	MNA ENTERPRISES LTD CO	O	A	S	E	10	19	35	Scharb Wolfcamp SE producer
30-025-28247-00-00	STATE MTS	003	MNA ENTERPRISES LTD CO	O	A	S	F	10	19	35	Scharb Wolfcamp SE producer
30-025-28598-00-00	BRYAN	001	LAWSON OPERATING LLC	O	A	P	B	13	19 S	35	Intial Scharb WC test; PB to Bone Spring
30-025-28713-00-00	MCINTOSH	001	MANZANO OIL CORP	O	P	P	M	15	19 S	35	Initial Scharb WC production; PB to Bone Spring in 1985
30-025-28164-00-00	STATE MX	001	LAWSON OPERATING LLC (protested original application, but withrew protest)	O	A	S	D	15	19	35	Initial Scharb WC test; PB to Bone Spring ; APPLICATION TO DHC Bone Spring and WC
30-025-28484-00-00	LEA UA STATE	001	MARKS AND GARNER PRODUCTION LTD CO	O	P	S	J	16	19 S	35	Initial Scharb Bone Spring test; produced from Scharb Wolfcamp SE
30-025-39205-00-00	KLEIN 16 STATE	001	MARSHALL & WINSTON INC	O	A	S	P	16	19 S	35	Scharb Wolfcamp SE producer (2009)
30-025-35054-00-00	TORO 16 STATE	001	MARSHALL & WINSTON INC	O	T	S	M	16	19 S	35	Initial Scharb WC test; PB to Bone Spring (2000)
30-025-40852-00-00	KLEIN 16 STATE	002H	MARSHALL & WINSTON INC	O	A	S	A	16	19 S	35	Horizontal in Scharb Bone Spring


LEA;WOLFCAMP (GAS)
20-35
19-36
20-36
LEA;WOLFCAMP, SOUTHEAST (GAS)


Oil Production History: MTS No. 2 and No. 3 Wells
Production (in US Barrels per day)
47.5
45.0
42.5
40.0
37.5
35.0
32.5
30.0
27.5
25.0
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
MTS No. 3 Production
MTS No. 2 Production
Jan-93
Jul
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Jan-95
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Jan-96
Jul
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Jan-99
Jul
Jan-00
Jul
Jan-01
Jul
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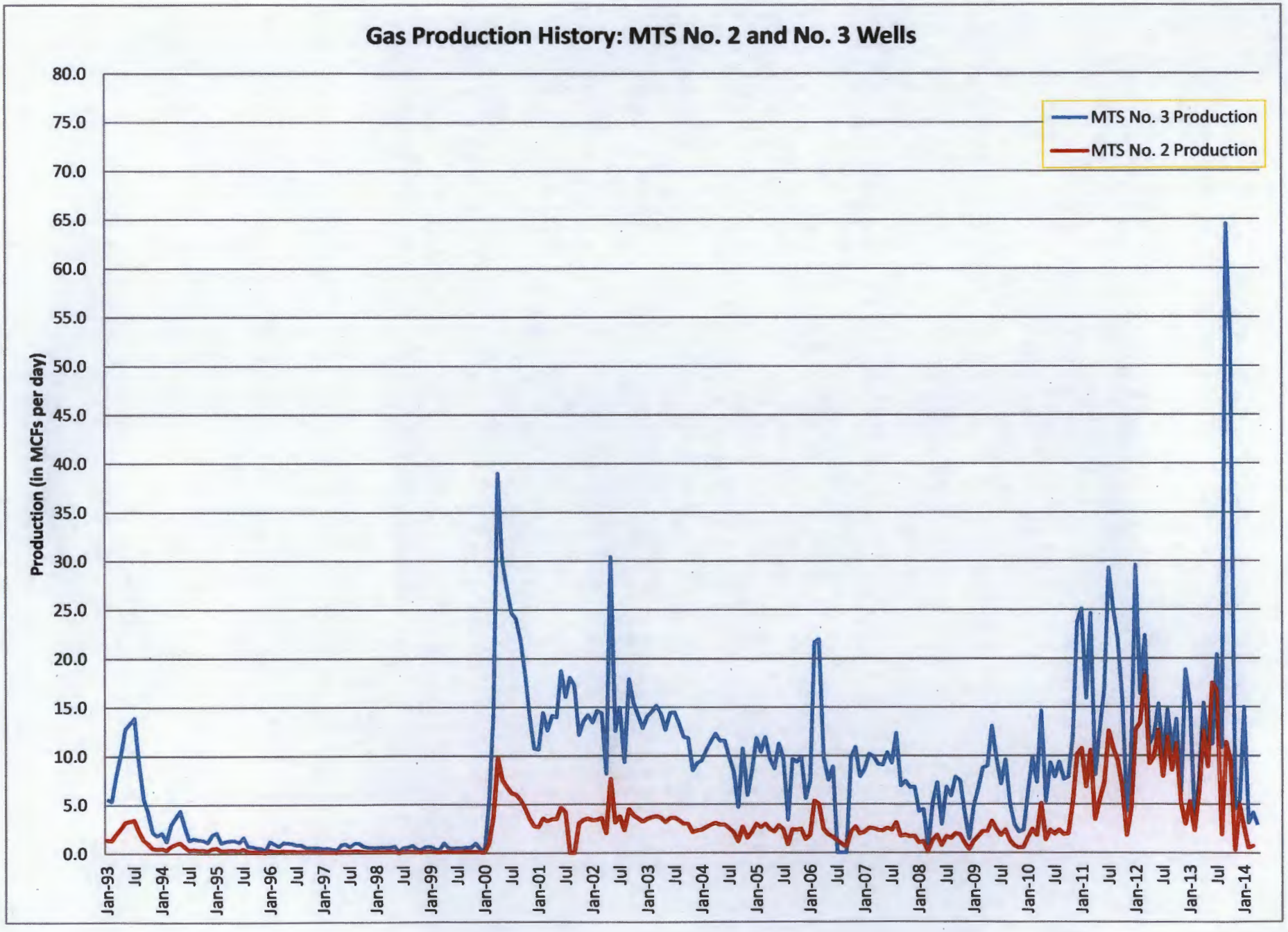
Jan-14


Gas Production History: MTS No. 2 and No. 3 Wells
Production (in MCFs per day)
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
MTS No. 3 Production
MTS No. 2 Production
Jan-93
Jul
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Jul
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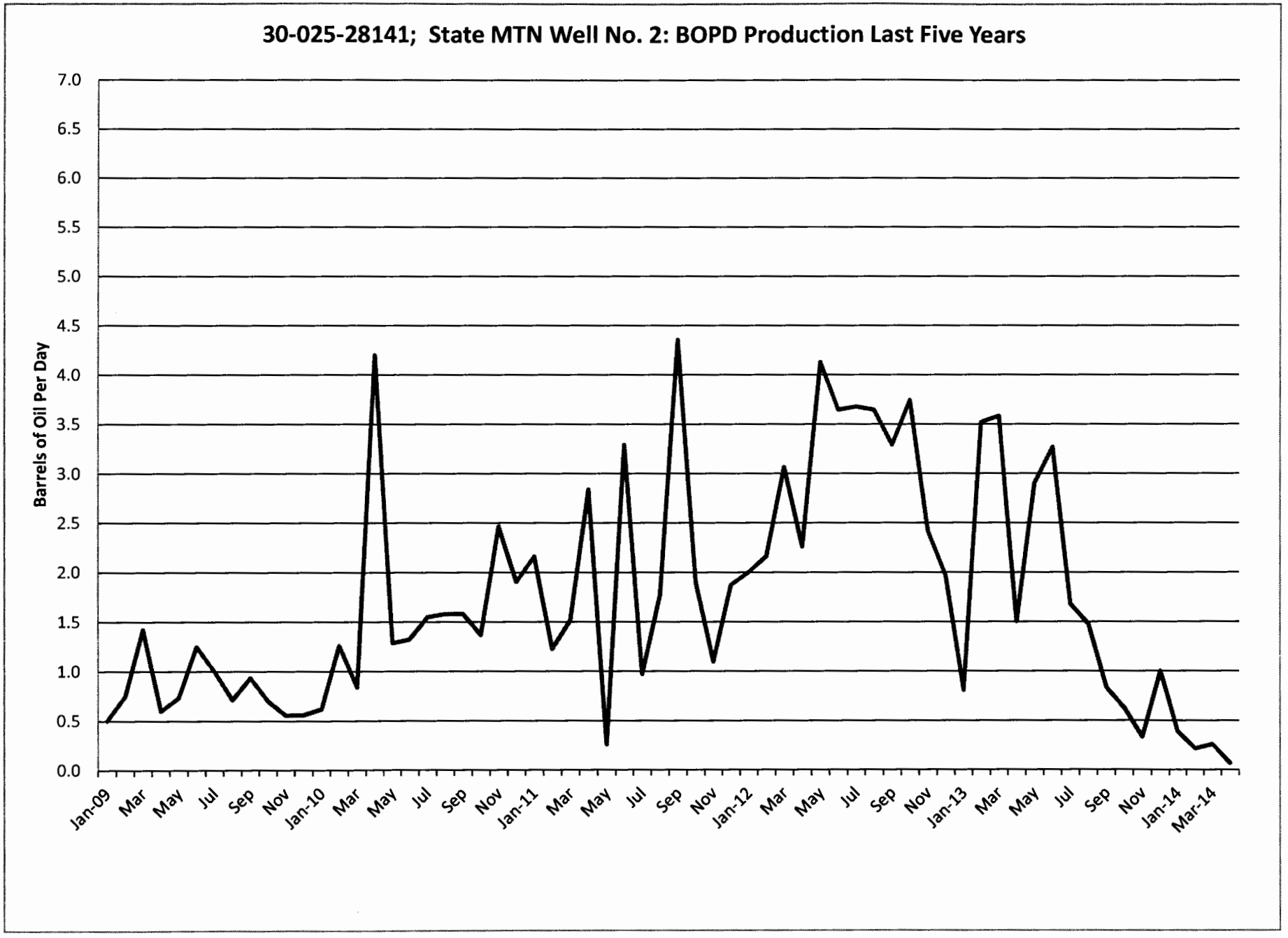
30-025-28141; State MTN Well No. 2: BOPD Production Last Five Years
Barrels of Oil Per Day
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Jan-09
Mar
May
Jul
Sep
Nov
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Nov
Jan-12
Mar
May
Jul
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May
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Sep
Nov
Jan-14
Mar-14

Production Summary Report
API: 30-025-28141
STATE MTS #002
Printed On: Monday, June 30 2014

		Production						
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	BOPD	MCFPB
1992 Cum	[55640] SCHARB;WOLFCAMP	Dec	133581	137341	120	99		
1993	[55640] SCHARB;WOLFCAMP	Jan-93	20	43	0	31	0.6	1.4
1993	[55640] SCHARB;WOLFCAMP	Feb	17	37	0	28	0.6	1.3
1993	[55640] SCHARB;WOLFCAMP	Mar	33	62	0	31	1.1	2.0
1993	[55640] SCHARB;WOLFCAMP	Apr	33	77	0	30	1.1	2.6
1993	[55640] SCHARB;WOLFCAMP	May	41	100	0	31	1.3	3.2
1993	[55640] SCHARB;WOLFCAMP	Jun	21	100	0	30	0.7	3.3
1993	[55640] SCHARB;WOLFCAMP	Jul	48	107	0	31	1.5	3.5
1993	[55640] SCHARB;WOLFCAMP	Aug	50	72	0	31	1.6	2.3
1993	[55640] SCHARB;WOLFCAMP	Sep	47	42	0	30	1.6	1.4
1993	[55640] SCHARB;WOLFCAMP	Oct	50	32	0	31	1.6	1.0
1993	[55640] SCHARB;WOLFCAMP	Nov	38	16	0	30	1.3	0.5
1993	[55640] SCHARB;WOLFCAMP	Dec-93	33	14	0	31	1.1	0.5
1994	[55640] SCHARB;WOLFCAMP	Jan-94	41	16	0	31	1.3	0.5
1994	[55640] SCHARB;WOLFCAMP	Feb	47	9	0	28	1.7	0.3
1994	[55640] SCHARB;WOLFCAMP	Mar	60	23	60	31	1.9	0.7
1994	[55640] SCHARB;WOLFCAMP	Apr	55	28	0	30	1.8	0.9
1994	[55640] SCHARB;WOLFCAMP	May	57	34	0	31	1.8	1.1
1994	[55640] SCHARB;WOLFCAMP	Jun	74	21	0	30	2.5	0.7
1994	[55640] SCHARB;WOLFCAMP	Jul	61	10	24	31	2.0	0.3
1994	[55640] SCHARB;WOLFCAMP	Aug	47	12	0	31	1.5	0.4
1994	[55640] SCHARB;WOLFCAMP	Sep	51	10	0	30	1.7	0.3
1994	[55640] SCHARB;WOLFCAMP	Oct	49	11	0	31	1.6	0.4
1994	[55640] SCHARB;WOLFCAMP	Nov	70	8	24	30	2.3	0.3
1994	[55640] SCHARB;WOLFCAMP	Dec-94	40	15	0	31	1.3	0.5
1995	[55640] SCHARB;WOLFCAMP	Jan-95	50	17	0	31	1.6	0.5
1995	[55640] SCHARB;WOLFCAMP	Feb	52	8	0	28	1.9	0.3
1995	[55640] SCHARB;WOLFCAMP	Mar	48	9	0	30	1.6	0.3
1995	[55640] SCHARB;WOLFCAMP	Apr	42	10	0	30	1.4	0.3
1995	[55640] SCHARB;WOLFCAMP	May	59	10	0	31	1.9	0.3
1995	[55640] SCHARB;WOLFCAMP	Jun	52	8	0	30	1.7	0.3
1995	[55640] SCHARB;WOLFCAMP	Jul	37	13	0	30	1.2	0.4
1995	[55640] SCHARB;WOLFCAMP	Aug	54	6	24	30	1.8	0.2
1995	[55640] SCHARB;WOLFCAMP	Sep	51	5	0	30	1.7	0.2
1995	[55640] SCHARB;WOLFCAMP	Oct	47	4	0	30	1.6	0.1
1995	[55640] SCHARB;WOLFCAMP	Nov	68	4	0	30	2.3	0.1
1995	[55640] SCHARB;WOLFCAMP	Dec-95	67	2	24	30	2.2	0.1
1996	[55640] SCHARB;WOLFCAMP	Jan-96	77	9	0	30	2.6	0.3
1996	[55640] SCHARB;WOLFCAMP	Feb	68	7	24	30	2.3	0.2
1996	[55640] SCHARB;WOLFCAMP	Mar	69	6	0	30	2.3	0.2
1996	[55640] SCHARB;WOLFCAMP	Apr	68	8	22	30	2.3	0.3
1996	[55640] SCHARB;WOLFCAMP	May	65	8	0	31	2.1	0.3
1996	[55640] SCHARB;WOLFCAMP	Jun	62	7	24	30	2.1	0.2
1996	[55640] SCHARB;WOLFCAMP	Jul	69	6	24	31	2.2	0.2
1996	[55640] SCHARB;WOLFCAMP	Aug	65	6	0	31	2.1	0.2
1996	[55640] SCHARB;WOLFCAMP	Sep	62	5	27	30	2.1	0.2
1996	[55640] SCHARB;WOLFCAMP	Oct	55	5	0	30	1.8	0.2

1996	[55640] SCHARB;WOLFCAMP	Nov	65	4	29	30	2.2	0.1
1996	[55640] SCHARB;WOLFCAMP	Dec-96	63	4	26	30	2.1	0.1
1997	[55640] SCHARB;WOLFCAMP	Jan-97	63	4	0	30	2.1	0.1
1997	[55640] SCHARB;WOLFCAMP	Feb	62	3	34	30	2.1	0.1
1997	[55640] SCHARB;WOLFCAMP	Mar	75	3	0	30	2.5	0.1
1997	[55640] SCHARB;WOLFCAMP	Apr	59	2	30	30	2.0	0.1
1997	[55640] SCHARB;WOLFCAMP	May	56	5	0	26	2.2	0.2
1997	[55640] SCHARB;WOLFCAMP	Jun	32	6	28	27	1.2	0.2
1997	[55640] SCHARB;WOLFCAMP	Jul	39	5	0	28	1.4	0.2
1997	[55640] SCHARB;WOLFCAMP	Aug	33	7	0	30	1.1	0.2
1997	[55640] SCHARB;WOLFCAMP	Sep	43	7	28	30	1.4	0.2
1997	[55640] SCHARB;WOLFCAMP	Oct	62	5	0	31	2.0	0.2
1997	[55640] SCHARB;WOLFCAMP	Nov	57	4	29	30	1.9	0.1
1997	[55640] SCHARB;WOLFCAMP	Dec-97	55	4	26	28	2.0	0.1
1998	[55640] SCHARB;WOLFCAMP	Jan-98	64	4	26	30	2.1	0.1
1998	[55640] SCHARB;WOLFCAMP	Feb	46	4	0	30	1.5	0.1
1998	[55640] SCHARB;WOLFCAMP	Mar	73	4	0	30	2.4	0.1
1998	[55640] SCHARB;WOLFCAMP	Apr	69	4	49	30	2.3	0.1
1998	[55640] SCHARB;WOLFCAMP	May	67	5	0	30	2.2	0.2
1998	[55640] SCHARB;WOLFCAMP	Jun	50	1	24	30	1.7	0.0
1998	[55640] SCHARB;WOLFCAMP	Jul	39	4	18	30	1.3	0.1
1998	[55640] SCHARB;WOLFCAMP	Aug	75	5	0	31	2.4	0.2
1998	[55640] SCHARB;WOLFCAMP	Sep	48	4	26	30	1.6	0.1
1998	[55640] SCHARB;WOLFCAMP	Oct	22	3	0	30	0.7	0.1
1998	[55640] SCHARB;WOLFCAMP	Nov	92	2	0	30	3.1	0.1
1998	[55640] SCHARB;WOLFCAMP	Dec-98	47	4	24	30	1.6	0.1
1999	[55640] SCHARB;WOLFCAMP	Jan-99	64	5	0	29	2.2	0.2
1999	[55640] SCHARB;WOLFCAMP	Feb	60	3	26	30	2.0	0.1
1999	[55640] SCHARB;WOLFCAMP	Mar	40	2	25	30	1.3	0.1
1999	[55640] SCHARB;WOLFCAMP	Apr	15	3	0	30	0.5	0.1
1999	[55640] SCHARB;WOLFCAMP	May	47	4	0	30	1.6	0.1
1999	[55640] SCHARB;WOLFCAMP	Jun	60	3	0	30	2.0	0.1
1999	[55640] SCHARB;WOLFCAMP	Jul	48	3	26	26	1.8	0.1
1999	[55640] SCHARB;WOLFCAMP	Aug	89	4	25	30	3.0	0.1
1999	[55640] SCHARB;WOLFCAMP	Sep	58	4	26	30	1.9	0.1
1999	[55640] SCHARB;WOLFCAMP	Oct	79	4	26	30	2.6	0.1
1999	[55640] SCHARB;WOLFCAMP	Nov	72	4	0	30	2.4	0.1
1999	[55640] SCHARB;WOLFCAMP	Dec-99	52	3	52	30	1.7	0.1
2000	[55640] SCHARB;WOLFCAMP	Jan-00	135	2	0	30	4.5	0.1
2000	[55640] SCHARB;WOLFCAMP	Feb	135	30	20	30	4.5	1.0
2000	[55640] SCHARB;WOLFCAMP	Mar	191	112	0	30	6.4	3.7
2000	[55640] SCHARB;WOLFCAMP	Apr	354	292	26	30	11.8	9.7
2000	[55640] SCHARB;WOLFCAMP	May	302	233	28	31	9.7	7.5
2000	[55640] SCHARB;WOLFCAMP	Jun	274	204	25	30	9.1	6.8
2000	[55640] SCHARB;WOLFCAMP	Jul	241	191	26	31	7.8	6.2
2000	[55640] SCHARB;WOLFCAMP	Aug	246	186	20	31	7.9	6.0
2000	[55640] SCHARB;WOLFCAMP	Sep	226	164	0	30	7.5	5.5
2000	[55640] SCHARB;WOLFCAMP	Oct	217	143	0	31	7.0	4.6
2000	[55640] SCHARB;WOLFCAMP	Nov	203	106	0	30	6.8	3.5
2000	[55640] SCHARB;WOLFCAMP	Dec-00	181	83	0	30	6.0	2.8
2001	[55640] SCHARB;WOLFCAMP	Jan-01	157	83	0	31	5.1	2.7
2001	[55640] SCHARB;WOLFCAMP	Feb	150	100	0	28	5.4	3.6
2001	[55640] SCHARB;WOLFCAMP	Mar	163	98	0	30	5.4	3.3

2001	[55640] SCHARB;WOLFCAMP	Apr	156	105	0	30	5.2	3.5
2001	[55640] SCHARB;WOLFCAMP	May	148	108	141	31	4.8	3.5
2001	[55640] SCHARB;WOLFCAMP	Jun	174	140	130	30	5.8	4.7
2001	[55640] SCHARB;WOLFCAMP	Jul	193	125	0	30	6.4	4.2
2001	[55640] SCHARB;WOLFCAMP	Aug	0	0	0	0	0.0	0.0
2001	[55640] SCHARB;WOLFCAMP	Sep	0	0	0	0	0.0	0.0
2001	[55640] SCHARB;WOLFCAMP	Oct	156	94	26	31	5.0	3.0
2001	[55640] SCHARB;WOLFCAMP	Nov	170	105	0	31	5.5	3.4
2001	[55640] SCHARB;WOLFCAMP	Dec-01	191	110	0	31	6.2	3.5
2002	[55640] SCHARB;WOLFCAMP	Jan-02	183	104	22	31	5.9	3.4
2002	[55640] SCHARB;WOLFCAMP	Feb	175	102	0	30	5.8	3.4
2002	[55640] SCHARB;WOLFCAMP	Mar	188	111	0	31	6.1	3.6
2002	[55640] SCHARB;WOLFCAMP	Apr	96	61	0	30	3.2	2.0
2002	[55640] SCHARB;WOLFCAMP	May	108	236	0	31	3.5	7.6
2002	[55640] SCHARB;WOLFCAMP	Jun	108	94	0	30	3.6	3.1
2002	[55640] SCHARB;WOLFCAMP	Jul	95	116	0	31	3.1	3.7
2002	[55640] SCHARB;WOLFCAMP	Aug	77	72	0	31	2.5	2.3
2002	[55640] SCHARB;WOLFCAMP	Sep	107	134	0	30	3.6	4.5
2002	[55640] SCHARB;WOLFCAMP	Oct	134	119	0	31	4.3	3.8
2002	[55640] SCHARB;WOLFCAMP	Nov	122	106	0	30	4.1	3.5
2002	[55640] SCHARB;WOLFCAMP	Dec-02	140	99	0	31	4.5	3.2
2003	[55640] SCHARB;WOLFCAMP	Jan-03	145	108	0	31	4.7	3.5
2003	[55640] SCHARB;WOLFCAMP	Feb	136	102	0	28	4.9	3.6
2003	[55640] SCHARB;WOLFCAMP	Mar	154	117	0	31	5.0	3.8
2003	[55640] SCHARB;WOLFCAMP	Apr	144	108	0	30	4.8	3.6
2003	[55640] SCHARB;WOLFCAMP	May	141	98	0	31	4.5	3.2
2003	[55640] SCHARB;WOLFCAMP	Jun	127	107	0	30	4.2	3.6
2003	[55640] SCHARB;WOLFCAMP	Jul	133	112	0	31	4.3	3.6
2003	[55640] SCHARB;WOLFCAMP	Aug	122	103	0	31	3.9	3.3
2003	[55640] SCHARB;WOLFCAMP	Sep	97	90	0	30	3.2	3.0
2003	[55640] SCHARB;WOLFCAMP	Oct	80	77	0	26	3.1	3.0
2003	[55640] SCHARB;WOLFCAMP	Nov	62	66	0	31	2.0	2.1
2003	[55640] SCHARB;WOLFCAMP	Dec-03	58	71	0	31	1.9	2.3
2004	[55640] SCHARB;WOLFCAMP	Jan-04	69	73	0	31	2.2	2.4
2004	[55640] SCHARB;WOLFCAMP	Feb	50	71	0	27	1.9	2.6
2004	[55640] SCHARB;WOLFCAMP	Mar	50	86	0	30	1.7	2.9
2004	[55640] SCHARB;WOLFCAMP	Apr	56	92	0	30	1.9	3.1
2004	[55640] SCHARB;WOLFCAMP	May	55	89	0	31	1.8	2.9
2004	[55640] SCHARB;WOLFCAMP	Jun	66	87	0	30	2.2	2.9
2004	[55640] SCHARB;WOLFCAMP	Jul	51	76	0	30	1.7	2.5
2004	[55640] SCHARB;WOLFCAMP	Aug	56	63	0	30	1.9	2.1
2004	[55640] SCHARB;WOLFCAMP	Sep	57	35	0	30	1.9	1.2
2004	[55640] SCHARB;WOLFCAMP	Oct	65	83	0	31	2.1	2.7
2004	[55640] SCHARB;WOLFCAMP	Nov	98	46	54	30	3.3	1.5
2004	[55640] SCHARB;WOLFCAMP	Dec-04	38	66	35	31	1.2	2.1
2005	[55640] SCHARB;WOLFCAMP	Jan-05	58	92	32	31	1.9	3.0
2005	[55640] SCHARB;WOLFCAMP	Feb	45	73	29	28	1.6	2.6
2005	[55640] SCHARB;WOLFCAMP	Mar	65	92	33	31	2.1	3.0
2005	[55640] SCHARB;WOLFCAMP	Apr	55	73	30	30	1.8	2.4
2005	[55640] SCHARB;WOLFCAMP	May	58	67	27	31	1.9	2.2
2005	[55640] SCHARB;WOLFCAMP	Jun	65	84	18	30	2.2	2.8
2005	[55640] SCHARB;WOLFCAMP	Jul	39	75	19	31	1.3	2.4
2005	[55640] SCHARB;WOLFCAMP	Aug	47	26	26	31	1.5	0.8

2005	[55640] SCHARB;WOLFCAMP	Sep	39	72	16	30	1.3	2.4
2005	[55640] SCHARB;WOLFCAMP	Oct	45	73	25	31	1.5	2.4
2005	[55640] SCHARB;WOLFCAMP	Nov	41	74	26	30	1.4	2.5
2005	[55640] SCHARB;WOLFCAMP	Dec-05	36	43	22	31	1.2	1.4
2006	[55640] SCHARB;WOLFCAMP	Jan-06	27	51	22	28	1.0	1.8
2006	[55640] SCHARB;WOLFCAMP	Feb	1	16	2	3	0.3	5.3
2006	[55640] SCHARB;WOLFCAMP	Mar	0	5	0	1	0.0	5.0
2006	[55640] SCHARB;WOLFCAMP	Apr	24	73	40	30	0.8	2.4
2006	[55640] SCHARB;WOLFCAMP	May	44	58	20	31	1.4	1.9
2006	[55640] SCHARB;WOLFCAMP	Jun	31	49	12	30	1.0	1.6
2006	[55640] SCHARB;WOLFCAMP	Jul	8	38	24	31	0.3	1.2
2006	[55640] SCHARB;WOLFCAMP	Aug	11	27	48	30	0.4	0.9
2006	[55640] SCHARB;WOLFCAMP	Sep	9	18	0	30	0.3	0.6
2006	[55640] SCHARB;WOLFCAMP	Oct	8	66	45	31	0.3	2.1
2006	[55640] SCHARB;WOLFCAMP	Nov	11	81	30	30	0.4	2.7
2006	[55640] SCHARB;WOLFCAMP	Dec-06	20	61	34	31	0.6	2.0
2007	[55640] SCHARB;WOLFCAMP	Jan-07	22	66	29	31	0.7	2.1
2007	[55640] SCHARB;WOLFCAMP	Feb	27	71	20	28	1.0	2.5
2007	[55640] SCHARB;WOLFCAMP	Mar	34	77	29	31	1.1	2.5
2007	[55640] SCHARB;WOLFCAMP	Apr	32	69	29	30	1.1	2.3
2007	[55640] SCHARB;WOLFCAMP	May	50	70	31	31	1.6	2.3
2007	[55640] SCHARB;WOLFCAMP	Jun	48	77	19	30	1.6	2.6
2007	[55640] SCHARB;WOLFCAMP	Jul	40	72	24	31	1.3	2.3
2007	[55640] SCHARB;WOLFCAMP	Aug	52	93	19	30	1.7	3.1
2007	[55640] SCHARB;WOLFCAMP	Sep	35	43	33	25	1.4	1.7
2007	[55640] SCHARB;WOLFCAMP	Oct	38	57	34	31	1.2	1.8
2007	[55640] SCHARB;WOLFCAMP	Nov	43	50	33	30	1.4	1.7
2007	[55640] SCHARB;WOLFCAMP	Dec-07	41	53	22	31	1.3	1.7
2008	[55640] SCHARB;WOLFCAMP	Jan-08	33	33	36	31	1.1	1.1
2008	[55640] SCHARB;WOLFCAMP	Feb	46	33	22	29	1.6	1.1
2008	[55640] SCHARB;WOLFCAMP	Mar	27	5	33	31	0.9	0.2
2008	[55640] SCHARB;WOLFCAMP	Apr	22	38	38	30	0.7	1.3
2008	[55640] SCHARB;WOLFCAMP	May	30	45	27	25	1.2	1.8
2008	[55640] SCHARB;WOLFCAMP	Jun	16	21	27	28	0.6	0.8
2008	[55640] SCHARB;WOLFCAMP	Jul	21	52	19	31	0.7	1.7
2008	[55640] SCHARB;WOLFCAMP	Aug	30	46	37	31	1.0	1.5
2008	[55640] SCHARB;WOLFCAMP	Sep	26	59	34	30	0.9	2.0
2008	[55640] SCHARB;WOLFCAMP	Oct	26	56	24	30	0.9	1.9
2008	[55640] SCHARB;WOLFCAMP	Nov	35	30	21	30	1.2	1.0
2008	[55640] SCHARB;WOLFCAMP	Dec-08	18	11	21	31	0.6	0.4
2009	[55640] SCHARB;WOLFCAMP	Jan-09	6	14	25	12	0.5	1.2
2009	[55640] SCHARB;WOLFCAMP	Feb	21	47	18	28	0.8	1.7
2009	[55640] SCHARB;WOLFCAMP	Mar	37	57	21	26	1.4	2.2
2009	[55640] SCHARB;WOLFCAMP	Apr	9	33	10	15	0.6	2.2
2009	[55640] SCHARB;WOLFCAMP	May	11	49	54	15	0.7	3.3
2009	[55640] SCHARB;WOLFCAMP	Jun	30	58	32	24	1.3	2.4
2009	[55640] SCHARB;WOLFCAMP	Jul	24	43	31	24	1.0	1.8
2009	[55640] SCHARB;WOLFCAMP	Aug	10	33	52	14	0.7	2.4
2009	[55640] SCHARB;WOLFCAMP	Sep	28	38	26	30	0.9	1.3
2009	[55640] SCHARB;WOLFCAMP	Oct	21	22	23	30	0.7	0.7
2009	[55640] SCHARB;WOLFCAMP	Nov	15	14	23	27	0.6	0.5
2009	[55640] SCHARB;WOLFCAMP	Dec-09	14	14	20	25	0.6	0.6
2010	[55640] SCHARB;WOLFCAMP	Jan-10	18	46	14	29	0.6	1.6

2010	[55640] SCHARB;WOLFCAMP	Feb	29	56	17	23	1.3	2.4
2010	[55640] SCHARB;WOLFCAMP	Mar	26	56	18	31	0.8	1.8
2010	[55640] SCHARB;WOLFCAMP	Apr	42	51	210	10	4.2	5.1
2010	[55640] SCHARB;WOLFCAMP	May	18	19	238	14	1.3	1.4
2010	[55640] SCHARB;WOLFCAMP	Jun	41	72	75	31	1.3	2.3
2010	[55640] SCHARB;WOLFCAMP	Jul	48	60	50	31	1.5	1.9
2010	[55640] SCHARB;WOLFCAMP	Aug	49	73	50	31	1.6	2.4
2010	[55640] SCHARB;WOLFCAMP	Sep	49	59	77	31	1.6	1.9
2010	[55640] SCHARB;WOLFCAMP	Oct	41	59	75	30	1.4	2.0
2010	[55640] SCHARB;WOLFCAMP	Nov	74	154	45	30	2.5	5.1
2010	[55640] SCHARB;WOLFCAMP	Dec-10	59	315	28	31	1.9	10.2
2011	[55640] SCHARB;WOLFCAMP	Jan-11	67	333	28	31	2.2	10.7
2011	[55640] SCHARB;WOLFCAMP	Feb	38	211	90	31	1.2	6.8
2011	[55640] SCHARB;WOLFCAMP	Mar	47	327	90	31	1.5	10.5
2011	[55640] SCHARB;WOLFCAMP	Apr	88	107	35	31	2.8	3.5
2011	[55640] SCHARB;WOLFCAMP	May	8	168	46	31	0.3	5.4
2011	[55640] SCHARB;WOLFCAMP	Jun	102	224	48	31	3.3	7.2
2011	[55640] SCHARB;WOLFCAMP	Jul	30	389	56	31	1.0	12.5
2011	[55640] SCHARB;WOLFCAMP	Aug	55	333	54	31	1.8	10.7
2011	[55640] SCHARB;WOLFCAMP	Sep	135	293	54	31	4.4	9.5
2011	[55640] SCHARB;WOLFCAMP	Oct	59	210	54	31	1.9	6.8
2011	[55640] SCHARB;WOLFCAMP	Nov	34	56	54	31	1.1	1.8
2011	[55640] SCHARB;WOLFCAMP	Dec-11	58	139	56	31	1.9	4.5
2012	[55640] SCHARB;WOLFCAMP	Jan-12	62	393	56	31	2.0	12.7
2012	[55640] SCHARB;WOLFCAMP	Feb	67	414	78	31	2.2	13.4
2012	[55640] SCHARB;WOLFCAMP	Mar	95	567	81	31	3.1	18.3
2012	[55640] SCHARB;WOLFCAMP	Apr	70	284	84	31	2.3	9.2
2012	[55640] SCHARB;WOLFCAMP	May	128	307	84	31	4.1	9.9
2012	[55640] SCHARB;WOLFCAMP	Jun	113	390	81	31	3.6	12.6
2012	[55640] SCHARB;WOLFCAMP	Jul	114	244	84	31	3.7	7.9
2012	[55640] SCHARB;WOLFCAMP	Aug	113	373	84	31	3.6	12.0
2012	[55640] SCHARB;WOLFCAMP	Sep	102	264	72	31	3.3	8.5
2012	[55640] SCHARB;WOLFCAMP	Oct	116	349	68	31	3.7	11.3
2012	[55640] SCHARB;WOLFCAMP	Nov	75	160	18	31	2.4	5.2
2012	[55640] SCHARB;WOLFCAMP	Dec-12	61	92	87	31	2.0	3.0
2013	[55640] SCHARB;WOLFCAMP	Jan-13	25	164	119	31	0.8	5.3
2013	[55640] SCHARB;WOLFCAMP	Feb	102	67	24	29	3.5	2.3
2013	[55640] SCHARB;WOLFCAMP	Mar	111	194	102	31	3.6	6.3
2013	[55640] SCHARB;WOLFCAMP	Apr	45	379	86	30	1.5	12.6
2013	[55640] SCHARB;WOLFCAMP	May	90	275	67	31	2.9	8.9
2013	[55640] SCHARB;WOLFCAMP	Jun	98	524	51	30	3.3	17.5
2013	[55640] SCHARB;WOLFCAMP	Jul	52	517	81	31	1.7	16.7
2013	[55640] SCHARB;WOLFCAMP	Aug	31	40	22	21	1.5	1.9
2013	[55640] SCHARB;WOLFCAMP	Sep	15	205	22	18	0.8	11.4
2013	[55640] SCHARB;WOLFCAMP	Oct	10	150	22	16	0.6	9.4
2013	[55640] SCHARB;WOLFCAMP	Nov	5	5	2	15	0.3	0.3
2013	[55640] SCHARB;WOLFCAMP	Dec-13	6	30	2	6	1.0	5.0
2014	[55640] SCHARB;WOLFCAMP	Jan-14	12	82	5	31	0.4	2.6
2014	[55640] SCHARB;WOLFCAMP	Feb-14	6	15	5	28	0.2	0.5
2014	[55640] SCHARB;WOLFCAMP	Mar-14	8	23	5	31	0.3	0.7
2014	[55640] SCHARB;WOLFCAMP	Apr-14	2	15	5	30	0.1	0.5