

DATE IN 7/24/09	SUSPENSE 8/9/09	ENGINEER Jones	LOGGED IN 7/24/09	TYPE SWD	PTGW APP NO. 0920552384
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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



RECEIVED
JUL 24 PM 1 26

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]

- [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.

BRIAN COLLINS
Print or Type Name

Signature

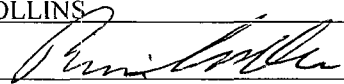
PETROLEUM ENGINEER
Title

14 July 09
Date

bcollins@marbob.com
e-mail Address

30-015-24267
Black River SWD#1
marbob (14049)
IN RB DMS as a
Yates Well
No op/hg. Found

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ ☒ Disposal _____ Storage
Application qualifies for administrative approval? _____ ☒ Yes _____ No
- II. OPERATOR: _____ MARBOB ENERGY CORPORATION _____
ADDRESS: _____ P O BOX 227, ARTESIA, NM 88211-0227 _____
CONTACT PARTY: _____ BRIAN COLLINS _____ PHONE: _____ 575-748-3303 _____
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes _____ ☒ No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the 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: _____ BRIAN COLLINS _____ TITLE: _____ PETROLEUM ENGINEER _____
SIGNATURE: _____  _____ DATE: _____ 07/10/09 _____
E-MAIL ADDRESS: _____ bcollins@marbob.com _____
- * 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: _____

C-108 Application for Authorization to Inject
Black River SWD #1
1980' FSL, 1980' FWL
K-5-T24S-R27E, Eddy County

Marbob Energy Corporation proposes re-enter the captioned well for salt water disposal service into the Delaware Sand from 4174' to 5250'.

- V. Map is attached.
- VI. No wells within the ½ mile radius area of review penetrate the proposed injection zone.
- VII.
 - 1. Proposed average daily injection rate = 2000 BWPD
Proposed maximum daily injection rate = 5000 BWPD
 - 2. Closed system
 - 3. Proposed maximum injection pressure = 835 psi
(0.2 psi/ft. x 4174 ft.)
 - 4. Source of injected water will be Delaware Sand and Bone Spring Sand produced water. No compatibility problems are expected. Analyses of Delaware and Bone Spring waters from analogous source wells are attached.
- VIII. The injection zone is the Delaware Sandstone, a fine-grained sandstone from 4174' to 5250'. Any underground water sources will be shallower than 2110'.
- IX. The Delaware sand injection interval will be acidized with approximately 20 gals/ft. of 7 1/2% HCl acid. If necessary, the injection interval may be fraced with up to 300,000 lbs. of 20/40 mesh sand.
- X. Well logs are filed with the Division. A section of the neutron-density porosity log showing the injection interval is attached.
- XI. There are a couple of fresh water wells within or slightly greater than a mile of the proposed SWD well. The Black River is approximately one mile south of the proposed SWD. Water analyses from a well and the Black River are attached.
- XII. After examining the available geologic and engineering data, no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Proof of Notice is attached.

INJECTION WELL DATA SHEET

OPERATOR: Marbob Energy Corp.WELL NAME & NUMBER: Black River SWD No. 1 (Formerly Yates Baccarat BTG St Com 1)WELL LOCATION: 1980' FSL 1980' FWLUNIT LETTER: K

FOOTAGE LOCATION

SECTION

5

TOWNSHIP

24s

RANGE

27e

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 18 1/2" Casing Size: 16" e 409'

Cemented with: 350 sx. or — ft³

Top of Cement: Surface Method Determined: Circ 955sx

Intermediate Casing

Hole Size: 14 3/4" Casing Size: 10 3/4" e 2110'

Cemented with: 1700 sx. or — ft³

Top of Cement: Surface Method Determined: Circ. 213 sx

Production Casing

Hole Size: 9 3/4" Casing Size: 7 9/8" e 9171'

Cemented with: 2450 sx. or — ft³

Top of Cement: Surface Method Determined: Circ. 169 sx

Total Depth: 12500'Injection Interval

4174' feet to 5250'

(Perforated or Open Hole; indicate which)

See Attached
Before & After
Schematics

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: IPC or Duoline 20
 Type of Packer: DK double grip retrievable nickel plated
 Packer Setting Depth: ± 4125'
 Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Dil & Gas

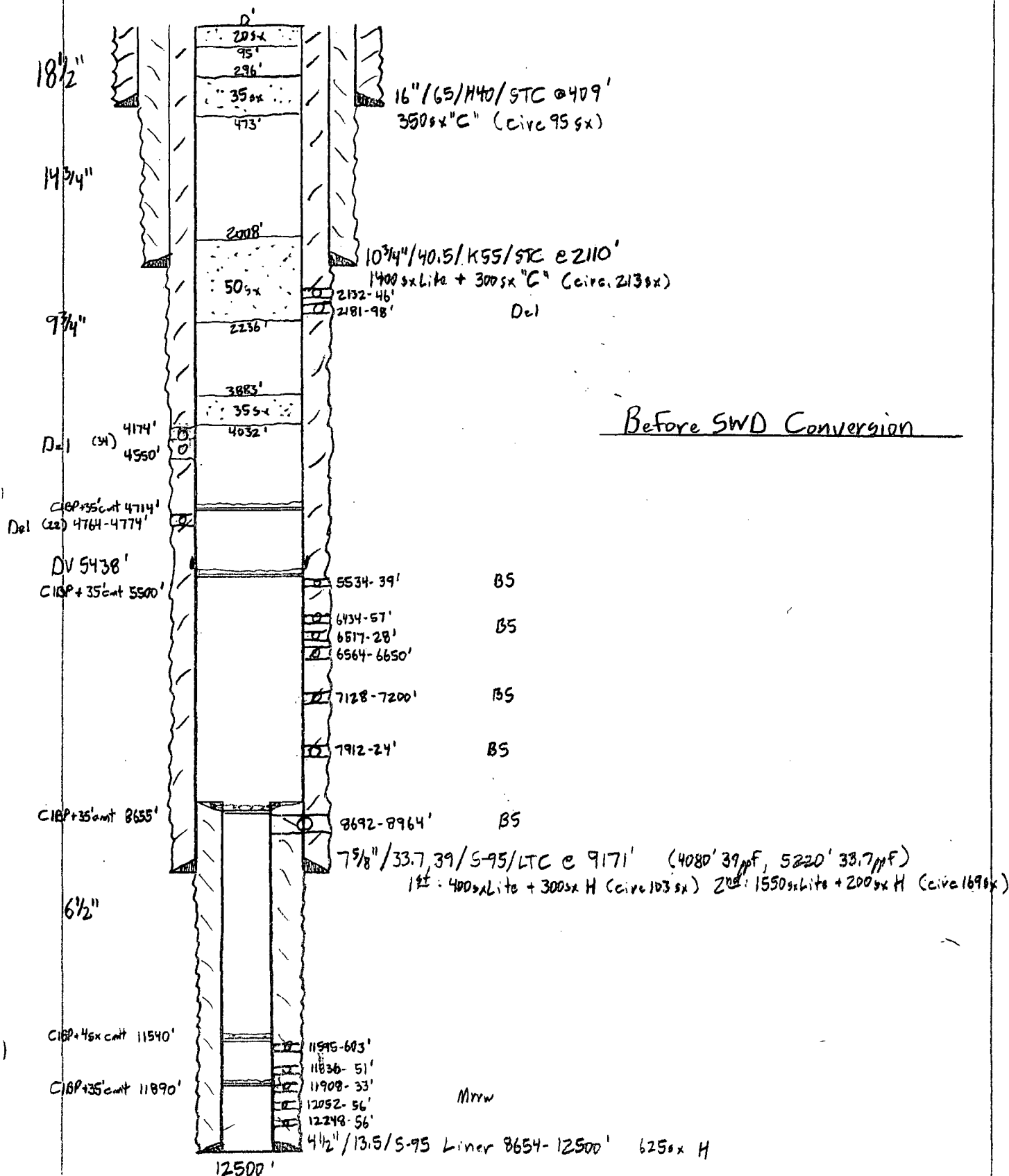
2. Name of the Injection Formation: Delaware Sand
 3. Name of Field or Pool (if applicable): Black River
 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

See Attached Schematics

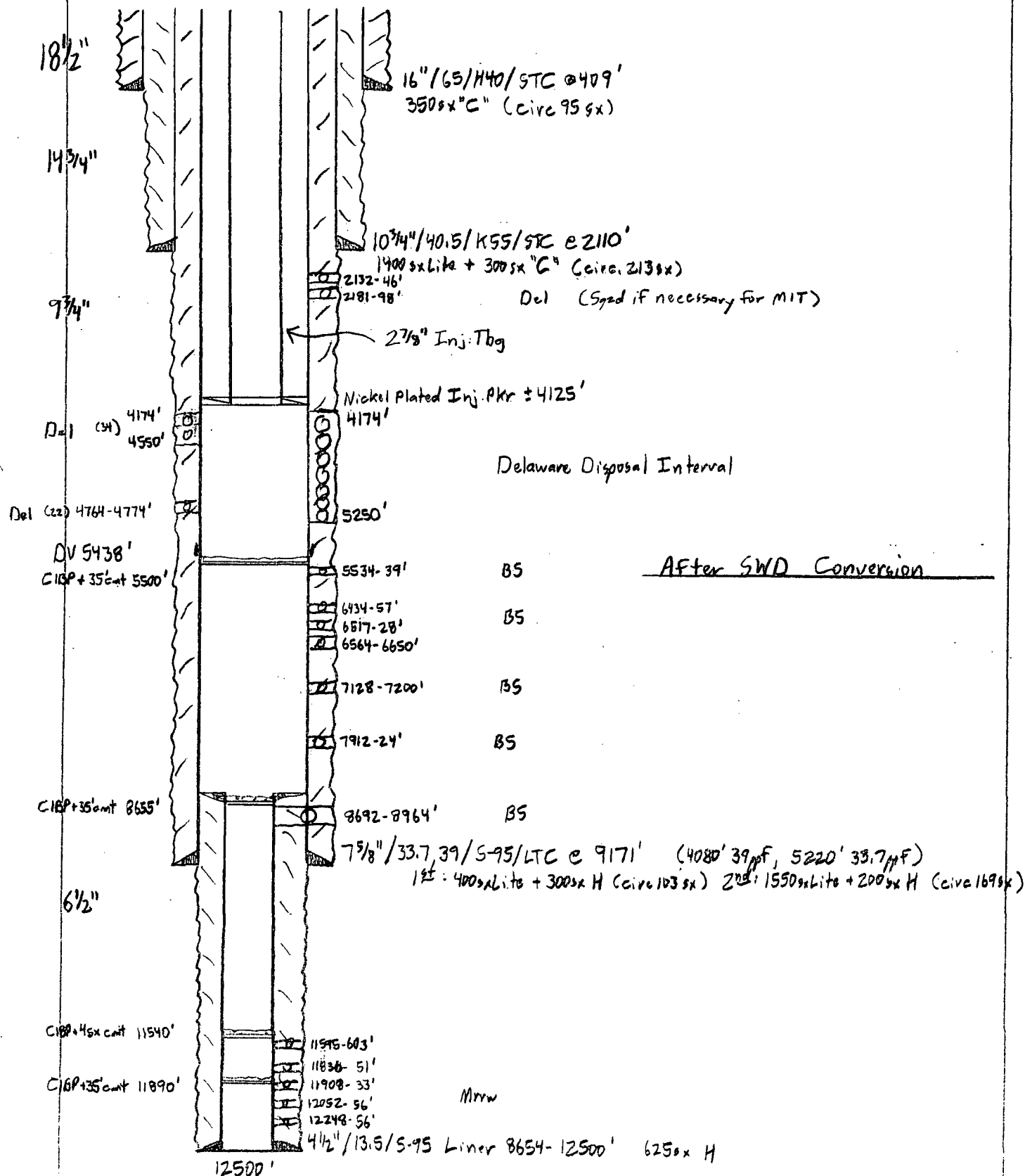
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Overlying: None
Underlying: Possible Bone Spring ± 6400', Possible Wolfcamp ± 9000'
Possible Strawn ± 10300', Possible Atoka ± 10600'
Possible Morrow ± 11500'

30-015-24067

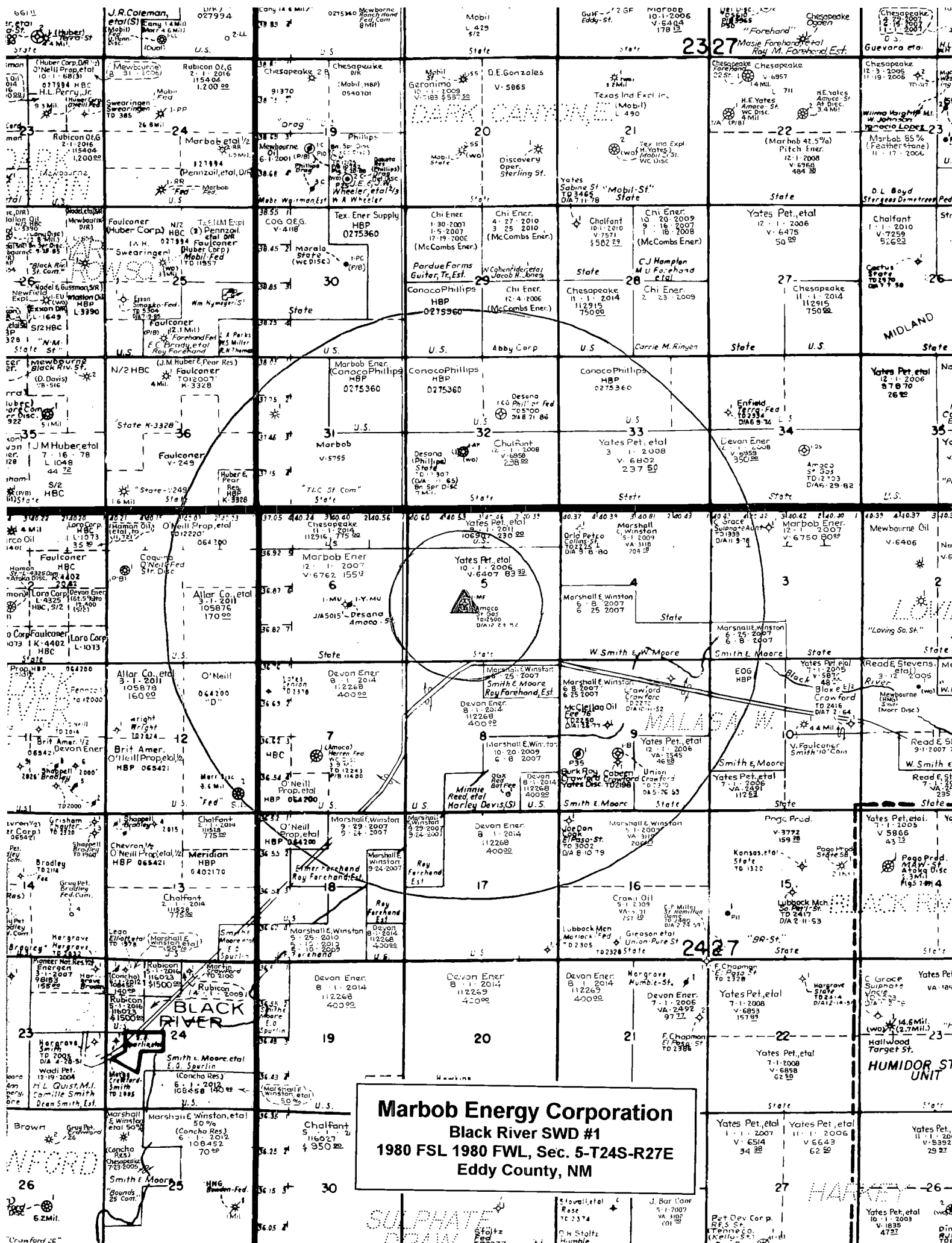


30-015-24067



V.

MAP



Marbob Energy Corporation
Black River SWD #1
1980 FSL 1980 FWL, Sec. 5-T24S-R27E
Eddy County, NM

SULPHATE

HARK

VII.

WATER ANALYSIS

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY Marbob REPORT W09-055
DATE July 12, 2009
DISTRICT Artesia

Delaware Produced Water

SUBMITTED BY _____

WELL _____ DEPTH _____ FORMATION _____
COUNTY _____ FIELD 1 SOURCE _____
TANK _____

SAMPLE	Black River	Spanish Cedar 1	Wtr. Well C-00516	
Sample Temp.	70 °F	70 °F	70 °F	°F
RESISTIVITY	15.8	0.054	3.41	
SPECIFIC GR.	1.000	1.154	1.002	
pH	7.85	5.43	7.33	
CALCIUM	750 mpl	30,000 mpl	1,000 mpl	mpl
MAGNESIUM	300 mpl	17,100 mpl	450 mpl	mpl
CHLORIDE	104 mpl	140,306 mpl	240 mpl	mpl
SULFATES	Light mpl	Light mpl	Heavy mpl	mpl
BICARBONATES	153 mpl	61 mpl	262 mpl	mpl
SOLUBLE IRON	0 mpl	25 mpl	0 mpl	mpl
KCL	N	N	N	
Sodium	mpl	mpl	mpl	mpl
TDS	mpl	mpl	mpl	mpl
OIL GRAVITY	@ °F	@ °F	@ °F	@ °F

REMARKS _____

MPL = Milligrams per liter
Resitivity measured in: Ohm/m2/m

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ANALYST: _____

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY Marbob

REPORT DATE W08-156
November 25, 2008
DISTRICT Hobbs

SUBMITTED BY Bone Spring Sand Produced Water

WELL Save DA 21 Fed. #1 DEPTH FORMATION
COUNTY FIELD SOURCE

SAMPLE				
Sample Temp.	70 °F	°F	°F	°F
RESISTIVITY	0.088			
SPECIFIC GR.	1.095			
pH	6.53			
CALCIUM	7500 mpl	mpl	mpl	mpl
MAGNESIUM	6000 mpl	mpl	mpl	mpl
CHLORIDE	83125 mpl	mpl	mpl	mpl
SULFATES	Light mpl	mpl	mpl	mpl
BICARBONATES	231 mpl	mpl	mpl	mpl
SOLUBLE IRON	0 mpl	mpl	mpl	mpl
KCL	Negative			
Sodium	mpl	0 mpl	0 mpl	0 mpl
TDS	mpl	0 mpl	0 mpl	0 mpl
OIL GRAVITY	@ °F	@ °F	@ °F	@ °F

REMARKS

MPL = Milligrams per liter
Resistivity measured in Ohm-cm

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ANALYST MA.MBAJH

X.

**NEUTRON
DENSITY LOG**

**Across Proposed
Delaware Sand
Portion of
Injection Interval**

Schlumberger

FORMATION DENSITY

WELL AMOCO PROD. CO.

COMPANY

COMPANY AMOCO PRODUCTION COMPANY

API# 30-012-4857

WELL STATE "MF" GAS COM. #1

FIELD MORROW WILDCAT

COUNTY EDDY STATE NEW MEXICO

LOCATION 1980' FSL & 1980' FWL,

Other Services:

BHC
DLL/MSFL

API SERIAL NO. SEC. TWP. RANGE

5 24-S 27-E

Datum: CL OF 2" BHO Elev.: 3208.9

Measured From RDB 21 Ft. Above Perm. Datum

Elev.: K.B. 3229

D.F.
G.L. 3208.9

RECEIVED

JUN 28 1982

O.C.D.

ARTESIA OFFICE

@

9 7/8

6 1/2

XC POLYMER/DRISPAC/KCL/BARITE

CUT BRINE

9.4 28

11.5 36

8.5 18.6ml

ml

FLOW LINE

CIRC.

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

RUN NO.		ONE	TWO		
Service Order No.		259334		Type Log	Depth
Fluid Level		FULL	FULL		
Salinity, PPM CL.		60000	192000		
Speed - F.P.M.		30	30		
EQUIPMENT DATA				REMARKS:	
Dens. Panel		482	BC 679	BEST COPY AVAILABLE	
Dens. Cart.		6840	9415		
Dens. Skid.		663	9415		
Dens. Sonde		1173	9415		
Dens. Source		6706	9415		
Dens. Calibrator		452	9415		
Neut. Panel		482	BC 679		
Neut. Cart.		1622	2171		
Neut. Source		1585	0426		
Neut. Calibrator		2160	2217		
GR Cart.		2326	3035		
Memorizer Panel		445	676		
Tape Recorder (TTR)		938	767		
Depth Encoder (DRE)		DS1	IDW		
Pressure Wheel (CPW)					
Centralizers:		Type	BOWSPRING CALIPER		
Center Spring,		No.	1		
Standoffs,		S. O. — Inches			
In-line, or None					
CALIBRATION DATA					
GR	BKG. CPS	SEE CAL.	25		
	Source CPS	FILM	189		
	Sens. - Cal.	165	165		
	T. C. - Cal.	DC=1'	DC=1'		

Long Spacing - After Log		1443		
P1 - Before Log		365.2		
P2 - Before Log		587.5		
P1 - After Log		363.5		
P2 - After Log		589.0		

LOGGING DATA

DEPTH		CNP			FDC				GR		
Top	Bottom	Porosity Scale	Matrix	Auto Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	T. C.	Zero Div Lef
SURF	2110	30 -10	LM-CH	BIT SIZE					165	DC=1	0
3110	9257	30 -10	LM-0H	AUTO CORR	30 -10	2.71	1.1	WATER	165	DC=1	0
9248	12497	30 -10	LIME	AUTO	30 -10	2.71	1.1	WATER	165	DC=1	0

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

GR (GAPI)		Run 1	DRHO(G/C3)		NPHI()
100.0	200.0		-0.050	0.4500	
CALI(IN)			RHOB(G/C3)		
6.000	16.00		2.000	3.	
GR (GAPI)					
0.0	100.0		0.3000		-0.

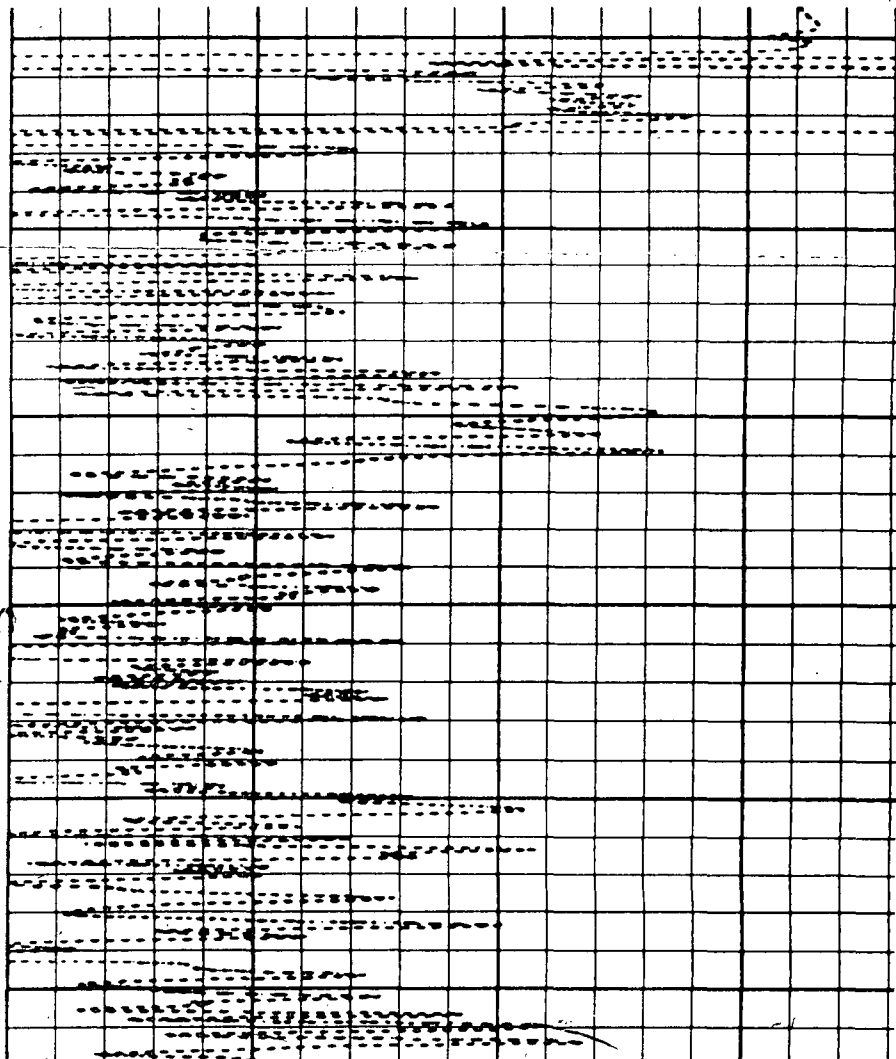
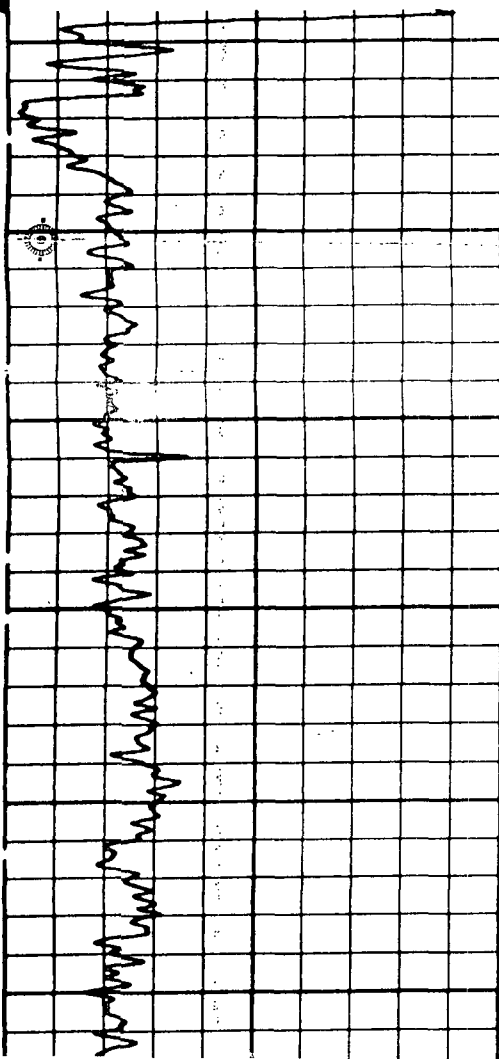
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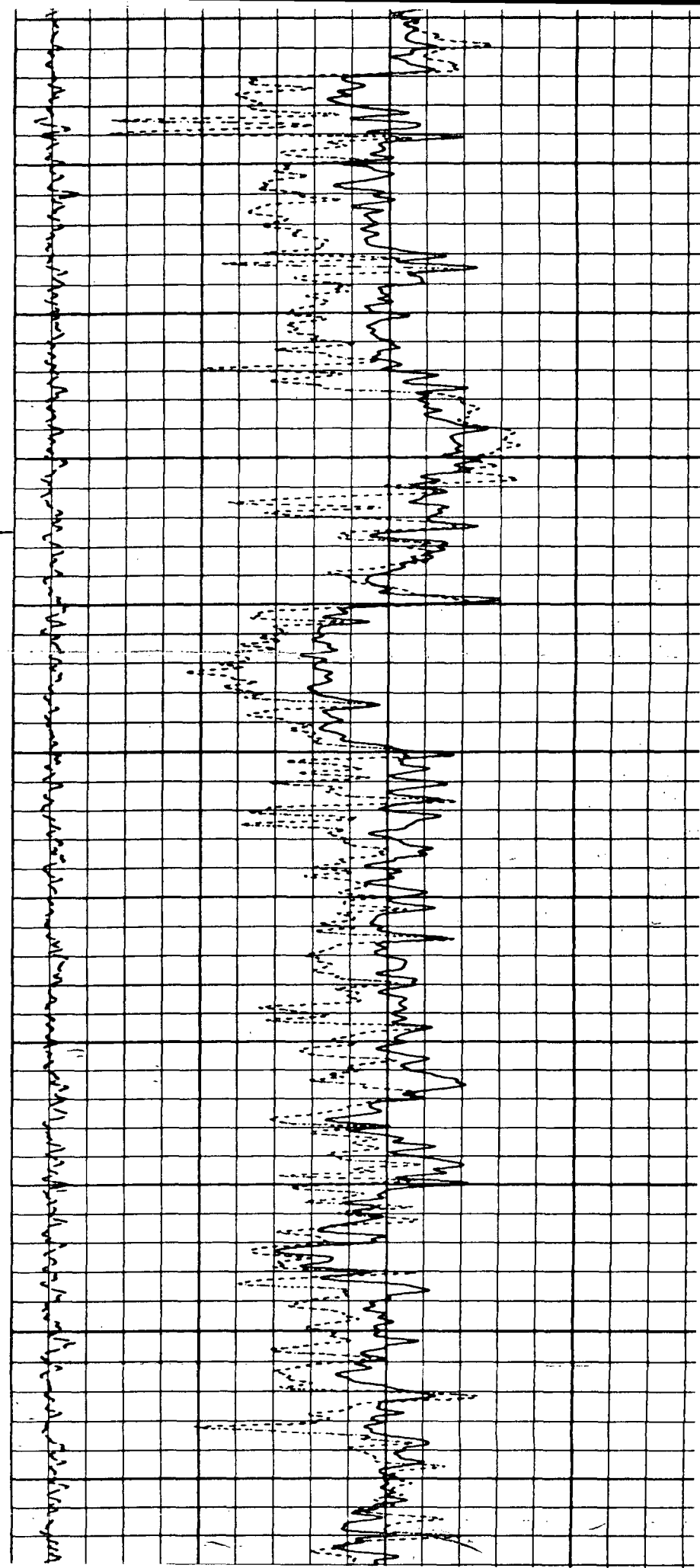
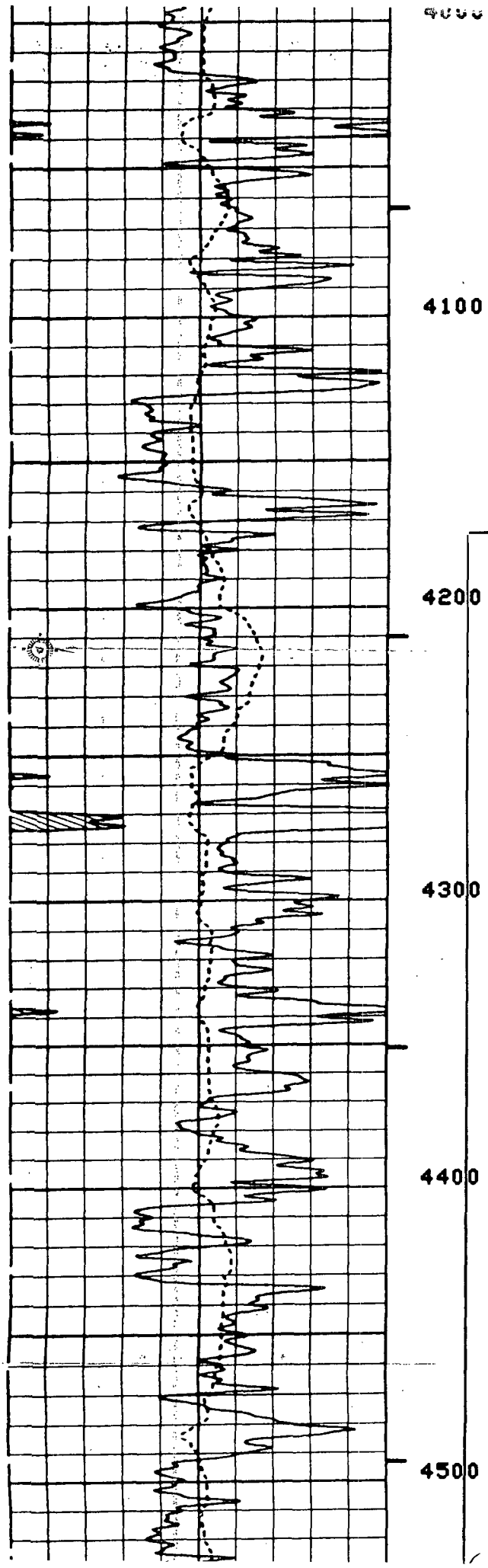
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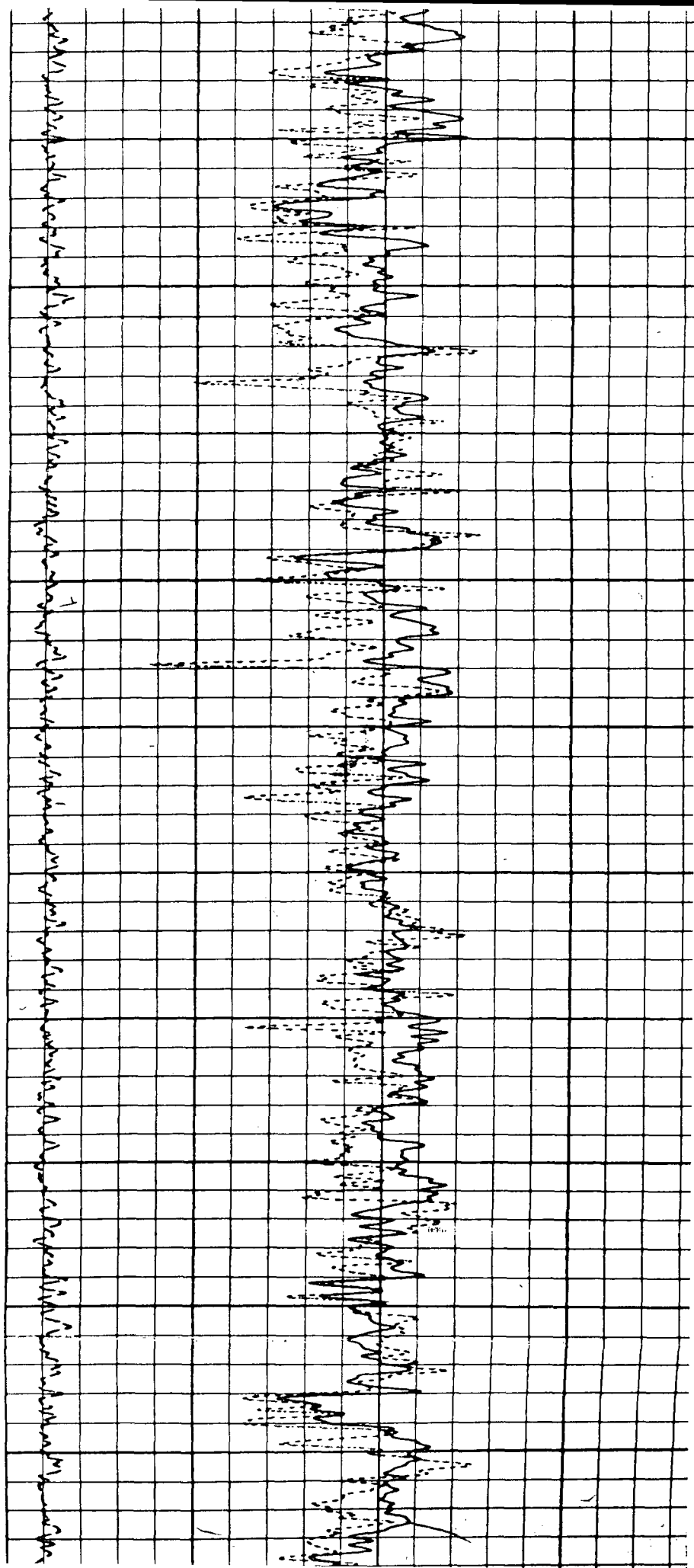
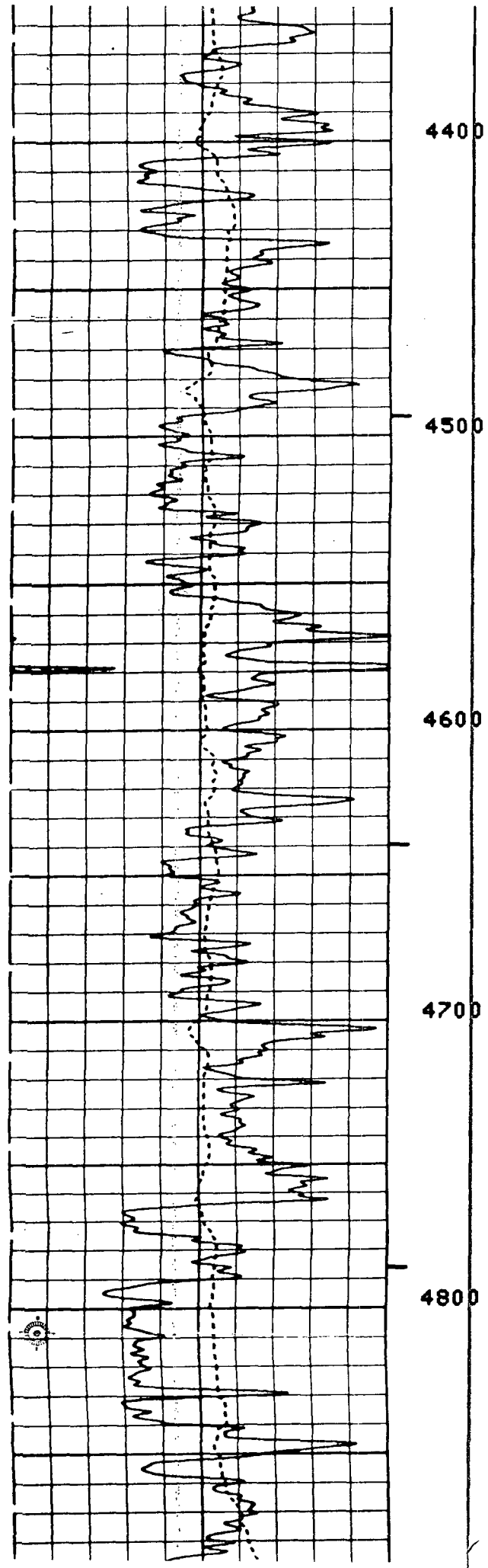
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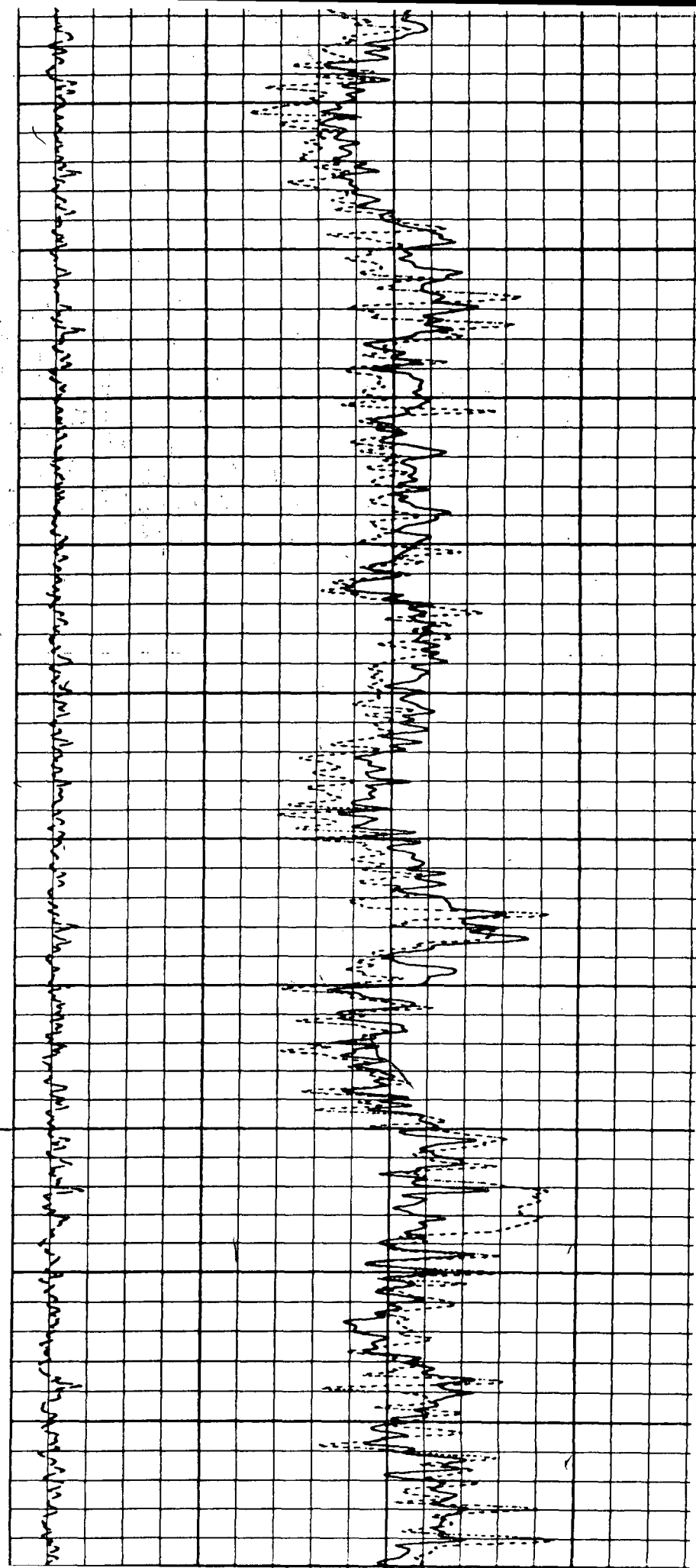
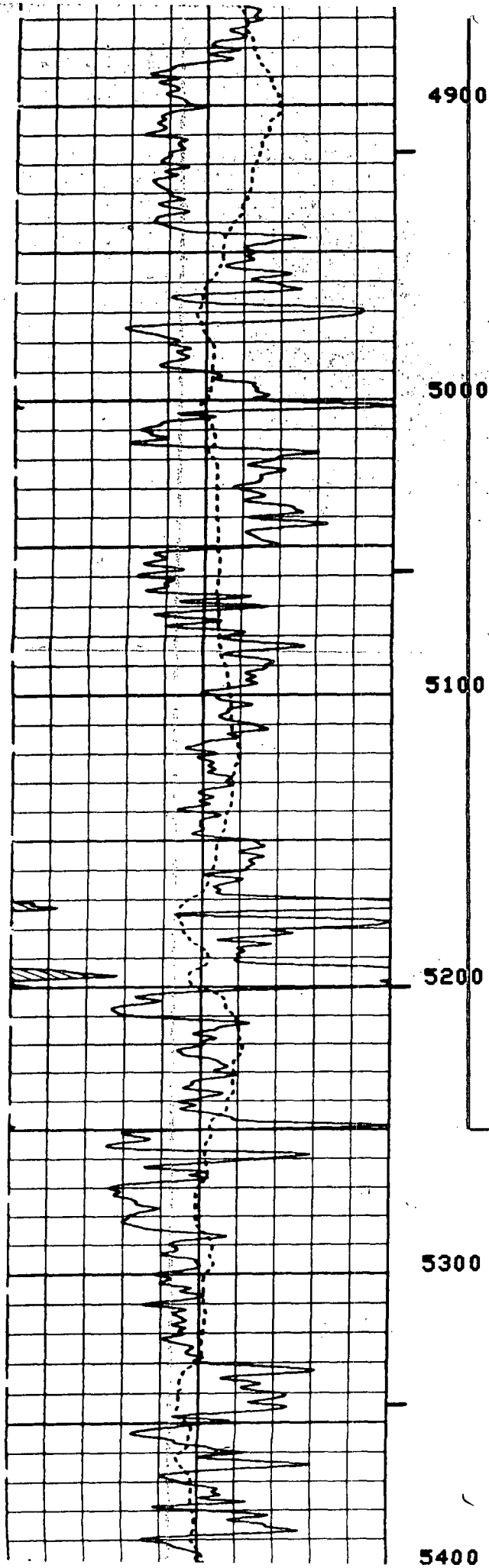
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200









XI.

Fresh Water Sample Analyses

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY Marbob

Fresh Water

REPORT W09-055
DATE July 12, 2009
DISTRICT Artesia

SUBMITTED BY

WELL COUNTY TANK SAMPLE	DEPTH FIELD	FORMATION SOURCE
Black River	Spanish Cedar 1	Wtr. Well C-00516
Sample Temp.	70 °F	70 °F
RESISTIVITY	15.8	0.054
SPECIFIC GR.	1.000	1.154
pH	7.85	5.43
CALCIUM	750 mpl	30,000 mpl
MAGNESIUM	300 mpl	17,100 mpl
CHLORIDE	104 mpl	140,306 mpl
SULFATES	Light mpl	Light mpl
BICARBONATES	153 mpl	61 mpl
SOLUBLE IRON	0 mpl	25 mpl
KCL	N	N
Sodium	mpl	mpl
TDS	mpl	mpl
OIL GRAVITY	@ °F	@ °F

REMARKS

MPL = Milligrams per liter
Resitivity measured in: Ohm/m2/m

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ANALYST: _____



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00516	IRR	ED		1	3	4	08	24S	27E	574288	3565901*	105	36	69
C 00516 POD6	IRR	ED		1	4	3	08	24S	27E	573885	3565895*	78	17	61
C 00516 S	IRR	ED		1	3	4	08	24S	27E	574288	3565901*	50	17	33
C 00631	DOM	ED		3	3	4	08	24S	27E	574288	3565701*	50	24	26
C 00683	DOM	ED			4	3	08	24S	27E	573986	3565796*	150	17	133
C 00821	PRO	ED		4	4	1	09	24S	27E	575694	3566530*	97	50	47
C 01187	DOM	ED			4	3	08	24S	27E	573986	3565796*	108	17	91
C 01366	EXP	ED				4	08	24S	27E	574590	3566003*	60	35	25
C 03092	DOM	ED		4	3	1	08	24S	27E	573678	3566501*	54	37	17

Average Depth to Water: 27 feet

Minimum Depth: 17 feet

Maximum Depth: 50 feet

Record Count: 9

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Section(s): 4-9

Township: 24S

Range: 27E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Section(s): 31, 32, 33

Township: 23S

Range: 27E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Affidavit of Publication

NO. 20768

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT being duly

sworn, says: That he is the PUBLISHER of The

Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same day as follows:

First Publication July 16, 2009

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

Subscribed and sworn to before me this

16 Day July 2009



OFFICIAL SEAL
Jo Morgan
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/16/2012

Jo Morgan
Notary Public, Eddy County, New Mexico

Copy of Publication:

Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico, 88211-0227, has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Black River SWD #1, is located 1980' FSL 1980' FWL, Sec. 5, Township 24 South, Range 27 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware and Bone Spring formations. The disposal water will be injected into the Delaware formation at a depth of 4174-5250' at a maximum surface pressure of 835 psi and a maximum rate of 5000 BWP/D. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227, or call 575-748-3303.

Published in the Artesia Daily Press, Artesia, NM July 16, 2009.

Legal No. 20768



July 10, 2009

New Mexico State Land Office
P. O. Box 1148
Santa Fe, NM 87504-1148

Re: Application to Inject
Black River SWD #1
Township 24 South, Range 27 East, NMPM
Section 5: 1980 FSL 1980 FWL, Unit K
Eddy County, New Mexico

Ladies and Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's salt water disposal well application. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure



marbob
energy corporation

July 10, 2009

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

Re: Application to Inject
Black River SWD #1
Township 24 South, Range 27 East, NMPM
Section 5: 1980 FSL 1980 FWL, Unit K
Eddy County, New Mexico

Ladies and Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's salt water disposal well application. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure



marbob
energy corporation

July 10, 2009

Devon Energy Corporation
20 N. Broadway
Oklahoma City, OK 73102-8260

Re: Application to Inject
Black River SWD #1
Township 24 South, Range 27 East, NMPM
Section 5: 1980 FSL 1980 FWL, Unit K
Eddy County, New Mexico

Ladies and Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's salt water disposal well application. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure



July 23, 2009

Tom Moore
Loraine M. Smith
Estate of Wilson Smith
Wayne & Jo Ann Moore
403 N. Marienfeld
Midland, TX 79701

Re: Application to Inject
Black River SWD #1
Township 24 South, Range 27 East, NMPM
Section 5: 1980 FSL 1980 FWL, Unit K
Eddy County, New Mexico

Ladies and Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's salt water disposal well application. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

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Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw
enclosure

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.G.S.	<input checked="" type="checkbox"/>
LAND OFFICE	<input checked="" type="checkbox"/>
OPERATOR	<input checked="" type="checkbox"/>

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

OCT 4 1982

O. C. D.

ARTESIA, OFFICE

Form C-103
Revised 10-1-

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
LG-588	

SUNDRY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Amoco Production Company	8. Farm or Lease Name State "MF"
3. Address of Operator P. O. Box 68, Hobbs, New Mexico 88240	9. Well No. 1
4. Location of Well UNIT LETTER K 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE, SECTION 5 TOWNSHIP 24-S RANGE 27-E N.M.P.M.	10. Field and Pool, or Wildcat Wildcat Delaware
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Test Delaware
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Move in service unit 8-26-82. Release packer and pull tubing and packer. Run cast iron bridge plug set at 11,540'. Pressure test to 8000 psi-Held O.K. Spot 4 SX Class H cement and displaced with 62 bbl. Pull up to 8754 and spot 36 SX class H neat cement and displaced 42 bbl. Top of liner at 8654. Plug 100' above and below liner. Run casing gun and perf 6517'-28' and 6434'-57'. Ran in packer and production string. Pumped 4000 gals acid with 15% NEFE-HCL and flush with 45 bbl BW. Swab no SO, slight SG. Released packer and pull out of hole. Ran cast iron bridge plug set at 6000'. Loaded 47 bbl brine and tested to 800 psi. Tested O.K. Perforate intervals 5534'-5539' with 12 holes, 2 JSPF. Ran tailpipe, packer, seating nipple, and tubing. Tailpipe landed 5453'. Pump set at 5354. Seating nipple landed at 5350'. Swab 2 hr., no sign of gas or oil. Pumped 1000 gal. FENE HCL acid and additives and flush with 35 bbl brine water. Swab 14 hr. and recovered 59 BLW, and 14 BBL new water. NSO and slight SG. Move out service unit 9-8-82. Move in service unit 9-24-82 and pull out of hole. Ran cast iron bridge plug to 5500. Pressure test plug to 1000 psi-held O.K. Displaced hole with 2% ammonia chloride water and spot 35' of class C cement on top of plug. Perforate Delaware intervals 2181'-2198' with 4JSPF. Ran production string. Pump landed at 2003, tailpipe at 2096, and seating nipple at 1964'. Swab 4 hr. and recovered approx. 11 BLW. Currently swab testing.

0+4-NMOCD,A 1-HOU 1-W. Stafford, HOU 1- CMH

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

SIGNED Charles M. Henry TITLE Assist. Admin. Analyst DATE 9-30-82

Original Signed By
Leslie A. Clements

APPROVED BY Supervisor District II TITLE _____ DATE OCT 7 1982

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.G.S.	
LAND OFFICE	
OPERATOR	<input checked="" type="checkbox"/>

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED

Form C-101
Revised 10-1-

OCT 28 1982

O. C. D.

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	LG-588	

SUNDRY NOTICES AND REPORTS ON WELLS ARTESIA, OFFICE
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Amoco Production Company ✓	8. Farm or Lease Name State "MF"
3. Address of Operator P. O. Box 68, Hobbs, New Mexico 88240	9. Well No. 1
4. Location of Well UNIT LETTER K 1980 FEET FROM THE South LINE AND 1980 FEET FROM West THE LINE, SECTION 5 TOWNSHIP 24-S RANGE 27-E NMPM.	10. Field and Pool, or Wildcat Wildcat Delaware
15. Elevation (Show whether DF, RT, GR, etc.) 3208.9 GL	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Acidized Delaware interval 2181'-2198' with 1275 gallons HCL and 2500 gallons ASOL with radio active material. Swab tested 45 hours. Recovered 122 barrels of load water. Pulled packer, tubing, and tailpipe. Perforated Delaware interval 2132'-46' with 4 JSPF. Ran 2-7/8" seating nipple and 2-7/8" tubing. Seating nipple landed at 2241'. Ran pump and rods. Tested pump to 500 psi. Tested O.K. Pump tested 15 days. Recovered 491 barrels of water. Currently pump testing.

0+4-NMOCD,A 1-HOU 1-W. Stafford, HOU 1-DMF

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

SIGNED Mark Freeman TITLE Assist. Admin. Analyst DATE 10-27-82

APPROVED BY Original Signed By
Leslie A. Clements
Supervisor District II TITLE _____ DATE OCT 28 1982

CONDITIONS OF APPROVAL, IF ANY:

YATES PETROLEUM CORPORATION
Baccarat BJG State Com. #1 (Re-entry)
1980' FSL and 1980' FWL
Section 5-T24S-R27E
Eddy County, New Mexico
Prognosis

This well was originally drilled by Amoco Production Company as the State MF #1. It was spudded April 6, 1982 and was P/A'd December 23, 1982.

Yates Petroleum Corporation proposes to re-enter the captioned well with a pulling unit and drill out two cement plugs and cast iron bridge plug in the 7 5/8" casing down to a cast iron bridge plug at +/-6000'. All plugs are inside the casing with no open hole to deal with. All casing strings are cemented to the surface. We plan to test the Delaware and the Bone Spring Formations.

MUD PROGRAM: 0-6000' Brine Weight: 8.45.

CASING PROGRAM: Will use existing 7 5/8" therefore no new casing will be run.

CEMENTING PROGRAM: No new cement will be needed.

BOPE PROGRAM: 3000 # BOPE will be nipped up on 10 3/4" in casing.

No H2s is anticipated.

Submit 3 Copies To Appropriate District
Office,
District I
1625 N. Hobbs, NM 88240
District II
1301 W. Artesia, NM 88210
District III
1000 Rio Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-24067
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Baccarat BJB State
8. Well Number 1
9. OGRID Number 025575
10. Pool name or Wildcat Wildcat Delaware

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Yates Petroleum Corporation	
3. Address of Operator 105 S. 4 th Street, Artesia, NM 88210	
4. Well Location Unit Letter <u>K</u> : <u>1980</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>5</u> Township <u>24S</u> Range <u>27E</u> NMPM <u>Eddy</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3209'GR	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDON ☐
CASING/CEMENT JOB ☐

OTHER: Plugback and perforate Delaware ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/27/06 - Perforate Delaware 4764'-4774' (22). Acidize with 1000g 7-1/2% acid.

11/2/06 - Set a CIBP at 5500' with 35' cement on top. Set a 2nd CIBP at 4714' with 35' cement on top. Perforate Delaware 4174'-4180', 4370'-4380', 4490'-4494', 4540'-4550' for a total of 34 holes. Acidize with 2000g 7-1/2% IC acid. 2-7/8" tubing at 4096'.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Tina Huerta TITLE Regulatory Compliance Supervisor DATE December 14, 2006

Type or print name Tina Huerta E-mail address: tinah@ypcnm.com Telephone No. 505-748-1471

For State Use Only

Accepted for record - NMOCD

APPROVED BY: _____ TITLE _____ DATE 12/20/06

Conditions of Approval (if any):

WELL NAME: Baccarat BJB State Com #1 FIELD: Wildcat Delaware
 LOCATION: 1980' FSL & 1,980' FWL of Section 5-24S-27E Eddy Co., NM
 GL: 3,209 ZERO: _____ KB: _____
 SPUD DATE: 4/6/82 COMPLETION DATE: _____
 COMMENTS: API No.: 30-015-24067
(Formerly State MF #1)

CASING PROGRAM

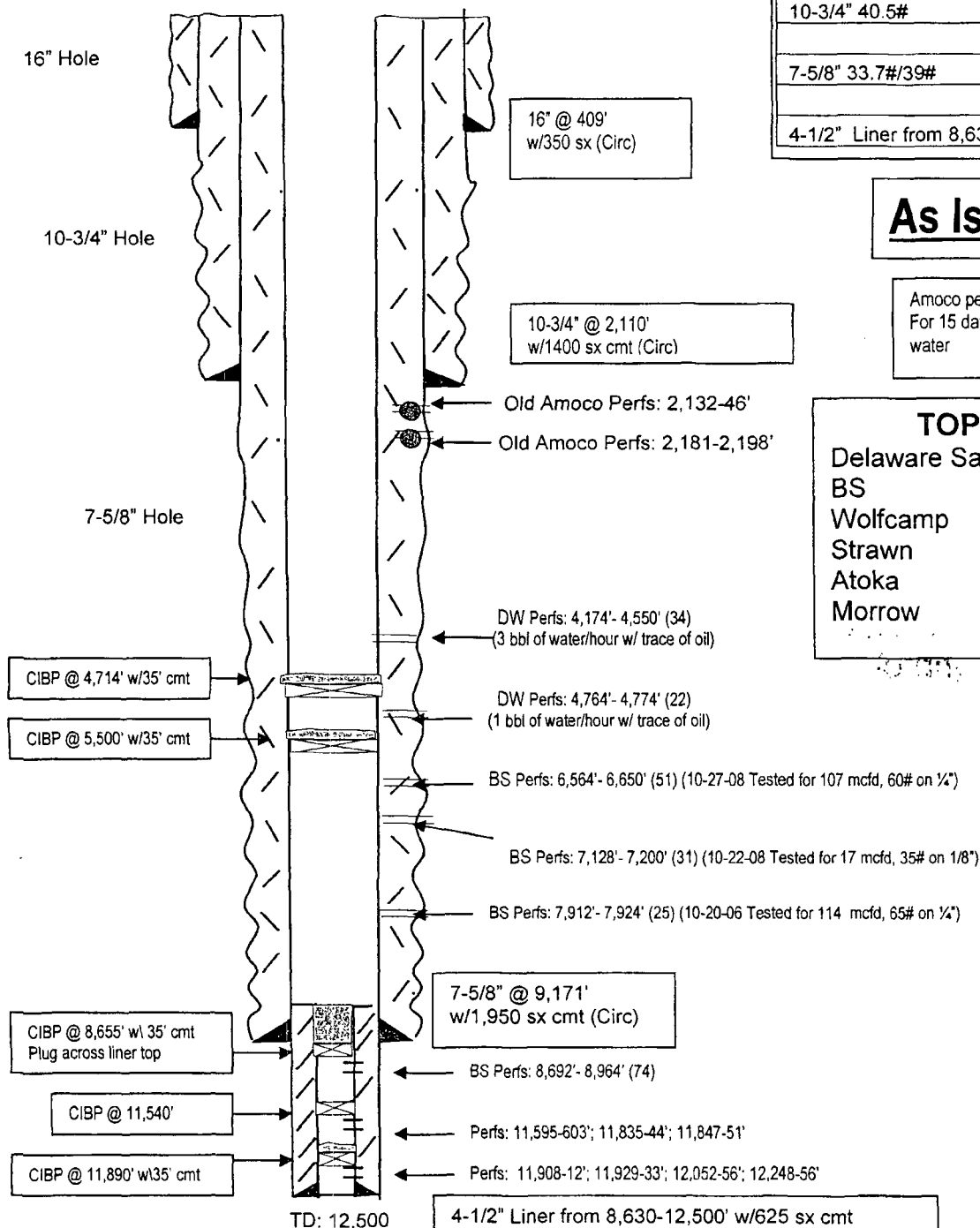
16" 65#	409
10-3/4" 40.5#	2,110'
7-5/8" 33.7#/39#	9,171'
4-1/2" Liner from 8,630-12,500	12,500'

As Is

Amoco perms were pumped
 For 15 days and produced 100%
 water

TOPS

Delaware Sand	2,125'
BS	5,495'
Wolfcamp	8,862'
Strawn	10,289'
Atoka	10,585
Morrow	11,456'



Not to Scale
 11/14/06
 Hill/DC

WELL NAME: Baccarat BJG State Com #1 FIELD: Wildcat Delaware
 LOCATION: 1980' FSL & 1,980' FWL of Section 5-24S-27E Eddy Co., NM
 GL: 3,209 ZERO: _____ KB: _____
 SPUD DATE: 4/6/82 COMPLETION DATE: _____
 COMMENTS: API No.: 30-015-24067
 (Formerly State MF #1)

CASING PROGRAM

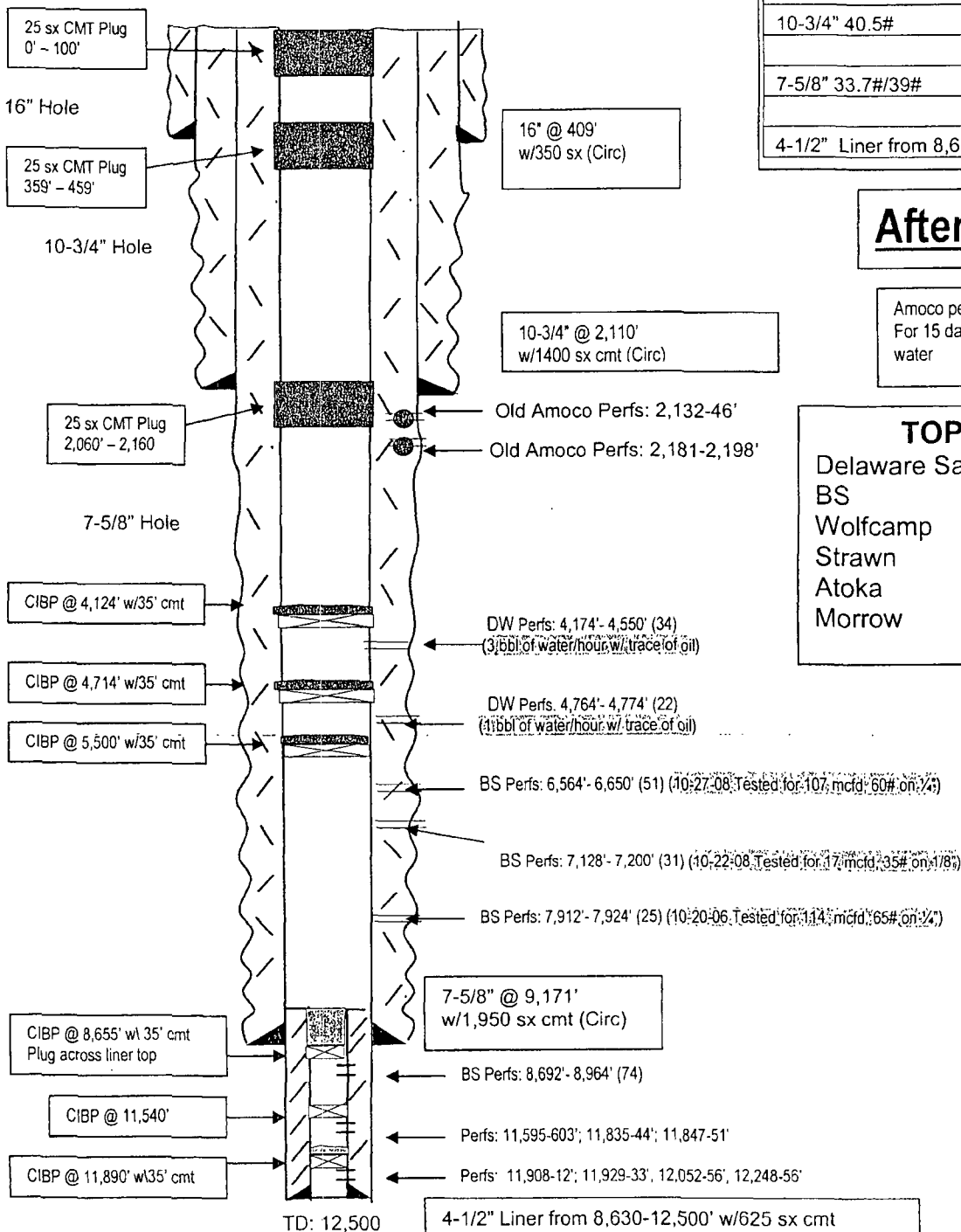
16" 65#	409
10-3/4" 40.5#	2,110'
7-5/8" 33.7#/39#	9,171'
4-1/2" Liner from 8,630-12,500	12,500'

After

Amoco perms were pumped
 For 15 days and produced 100%
 water

TOPS

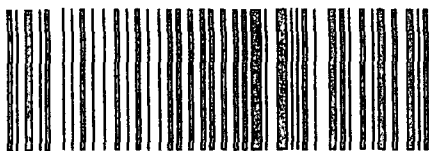
Delaware Sand	2,125'
BS	5,495'
Wolfcamp	8,862'
Strawn	10,289'
Atoka	10,585'
Morrow	11,456'



Not to Scale
 08/06/08
 Hill/DC

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

CERTIFIED MAIL



7006 0810 0000 8979 6957
7006 0810 0000 8979 6957

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Postmark Here	
OFFICIAL USE TOM MOORE LORANE M SMITH ESTATE OF WILSON SMITH WAYNE & JO ANN MOORE 403 N MARIENFELD MIDLAND TX 79701 BR 5wd - DW	

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

0469 6268 0000 0180 9002
0469 6268 0000 0180 9002

CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Postmark Here	
YATES PETROLEUM CORPORATION 105 S 4TH ST ARTESIA NM 88210 DW BR 5wd	

9269 6268 0000 0180 9002
9269 6268 0000 0180 9002

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Postmark Here	
NM STATE LAND OFFICE P O BOX 1148 SANTA FE NM 87504-1148 DW BR 5wd	

EE69 6268 0000 0180 9002
EE69 6268 0000 0180 9002

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Postmark Here	
DEVON ENERGY CORPORATION 20 N BROADWAY OKLAHOMA CITY OK 73102-8260 DW BR 5wd	

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, August 11, 2009 11:30 AM
To: 'Brian Collins'
Cc: Ezeanyim, Richard, EMNRD; Reeves, Jacqueta, EMNRD
Subject: Disposal application from Marbob: Black River SWD #1 API 30-015-24067, Unit K Sec 5, T24S R27E, Eddy County

Hello Brian:

This permit is ready to release.

Please ask someone to send a copy of the actual Newspaper Notice and copies of the certified receipts that have readable postmarks and dates. If this can't be done, let me know, application looks workable as is.

Good luck with this well.

Take Care,

Will

William V. Jones PE
New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
505-476-3448

Jones, William V., EMNRD

From: Debora Wilbourn [geology@marbob.com]
Sent: Wednesday, August 12, 2009 11:55 AM
To: Jones, William V., EMNRD
Subject: Black Rivert SWD #1
Attachments: Affidavit of Pub & Return Receipt Cardspdf.pdf

Hi Will,

I have been waiting for all the return-receipt cards to come back and finally got the last one back today. So, here is a copy of all of them, along with a copy of the published notice. Please let me know if you need anything further.

Debora L Wilbourn, GeoTech
geology@marbob.com
Marbob Energy Corporation
PH 575-748-3303

This inbound email has been scanned by the MessageLabs Email Security System.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NM STATE LAND OFFICE
P O BOX 1148
SANTA FE NM 87504-1148

AUG 07 2009

COMPLETE THIS SECTION ON DELIVERY

- A. Signature: *[Signature]*
- B. Received by (Printed Name): *[Signature]*
- C. Date of Delivery: *[Signature]*
- D. Is delivery address different from item 1? ☐ Yes ☐ No

- 3. Service Type: ☒ Certified Mail ☐ Registered Mail ☐ Insured Mail ☐ Restricted Delivery? (Extra Fee) ☐ Yes
- 4. Return Receipt: ☐ Yes ☐ No

7006 0810 0000 6979 6957

Domestic Return Receipt: *BR SWD*

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TOM MOORE
LORAIN M SMITH
ESTATE OF WILSON SMITH
WAYNE & JO ANN MOORE
403 N MARIENFELD
MIDLAND TX 79701

COMPLETE THIS SECTION ON DELIVERY

- A. Signature: *[Signature]*
- B. Received by (Printed Name): *[Signature]*
- C. Date of Delivery: *[Signature]*
- D. Is delivery address different from item 1? ☐ Yes ☐ No

- 3. Service Type: ☐ Certified Mail ☐ Registered Mail ☐ Insured Mail ☐ Restricted Delivery? (Extra Fee) ☐ Yes
- 4. Return Receipt: ☐ Yes ☐ No

7006 0810 0000 6979 6957

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DEVON ENERGY CORPORATION
20 N BROADWAY
OKLAHOMA CITY OK 73102-8260

COMPLETE THIS SECTION ON DELIVERY

- A. Signature: *[Signature]*
- B. Received by (Printed Name): *[Signature]*
- C. Date of Delivery: *[Signature]*
- D. Is delivery address different from item 1? ☐ Yes ☐ No

- 3. Service Type: ☒ Certified Mail ☐ Registered Mail ☐ Insured Mail ☐ Restricted Delivery? (Extra Fee) ☐ Yes
- 4. Return Receipt: ☐ Yes ☐ No

JUL 22 2009

2. Article Number: *[Signature]*

7006 0810 0000 6979 6957

PS Form 3811, February 2004 *BR SWD*

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

YATES PETROLEUM CORPORATION
105 S 4TH ST
ARTESIA NM 88210

COMPLETE THIS SECTION ON DELIVERY

- A. Signature: *[Signature]*
- B. Received by (Printed Name): *[Signature]*
- C. Date of Delivery: *[Signature]*
- D. Is delivery address different from item 1? ☐ Yes ☐ No

- 3. Service Type: ☒ Certified Mail ☐ Registered Mail ☐ Insured Mail ☐ Restricted Delivery? (Extra Fee) ☐ Yes
- 4. Return Receipt: ☐ Yes ☐ No

2. Article Number: *[Signature]*

7006 0810 0000 6979 6940

PS Form 3811, February 2004 *BR SWD*

Affidavit of Publication

NO.

20768

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT

being duly

sworn, says: That he is the PUBLISHER of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication July 16, 2009

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

16 Day

July

2009



OFFICIAL SEAL
Jo Morgan
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/26/2012

Jo Morgan
Notary Public, Eddy County, New Mexico

Copy of Publication:

Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico, 88211-0227, has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Black River SWD #1, is located 1980' FSL 1980' FWL, Sec. 5, Township 24 South, Range 27 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware and Bone Spring formations. The disposal water will be injected into the Delaware formation at a depth of 4174-5250' at a maximum surface pressure of 835 psi and a maximum rate of 5000 BWPD. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico, 88211-0227, or call 575-748-3303.

Published in the Artesia Daily Press, Artesia, NM, July 16, 2009.
Legal No. 20768

Injection Permit Checklist (7/17/09)

Case _____ R- SWD/1187 WFX _____ PMX _____ IPI _____ Permit Date 8/11/09 UIC Qtr (ASO)# Wells 1 Well Name: Black River SWD #1 (Yates Baccarat BTG St Cont #1)API Num: (30-) 015-24067 Spud Date: 4/6/82 New/Old: N (UIC primacy March 7, 1982)Footages 1980 FSL/1980 FWL Unit K Sec 5 Tsp 245 Rge 27E County EddyOperator: Marlow Energy Corp. Contact Brian CollierOGRID: 14049 RULE 5.9 Compliance (Wells) 1/1204 (Finan Assur) _____Operator Address: PO Box 227, ARTESIA, NM, 88211-0227Current Status of Well: PEAKED (TWICE!)Planned Work to Well: Re-enter use Del for Disposal Planned Tubing Size/Depth: 27/8 @ 4125'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing <u>1</u> Surface	<u>18 1/2 16</u>	<u>409</u>	<u>350</u>	<u>CIRC</u>
Existing <u>Intermediate</u>	<u>14 3/4 10 3/4</u>	<u>2110</u>	<u>1700</u>	<u>CIRC</u>
Existing <u>Long String</u>	<u>9 3/4 7 5/8</u>	<u>9171</u>	<u>2450</u>	<u>CIRC back stages!</u>

DV Tool 5438 Liner 4 1/2" (8054-1250) Open Hole 700+1150 Total Depth 12,500Well File Reviewed ✓Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: ✓ (1982 LOGS)

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	<u>2125</u>	<u>TOP Del</u>	
Injection..... Interval TOP:	<u>4174</u>	<u>Del</u>	<u>Tested</u>
Injection..... Interval BOTTOM:	<u>5250</u>	<u>Del</u>	
Below (Name and Top)	<u>6400 ≈</u>	<u>BS</u>	<u>Maybe</u>

Black River Pool area
MALAGA, W. " " "835 PSI Max. WHIPNo Open Hole (Y/N)

Deviated Hole?

Sensitive Areas: Capitan Reef Cliff House Salt Depths

.... Potash Area (R-111-P) _____ Potash Lessee _____ Noticed? _____

Fresh Water: Depths: 0-2110 Wells Yes Analysis? Yes Affirmative Statement ✓Disposal Fluid Sources: Del/BS Analysis? Analysis?Disposal Interval Production Potential/Testing/Analysis Analysis: TestedNotice: Newspaper(Y/N) ✓ Surface Owner SLO Mineral Owner(s) 1RULE 26.7(A) Affected Parties: Yates / Deacon / Tom Moore / Lorain M. SmithArea of Review: Adequate Map (Y/N) ✓ and Well List (Y/N) ✓Active Wells 0 Num Repairs _____ Producing in Injection Interval in AOR _____..P&A Wells 0 Num Repairs _____ All Wellbore Diagrams Included? _____

Questions to be Answered:

Send Nuyin Prof + Legible Cont. RemainsRequired Work on This Well: None Request Sent _____ Reply: _____AOR Repairs Needed: GA Request Sent _____ Reply: _____

Request Sent _____ Reply: _____