

DATE: 22 Feb 07	SUSPENSE: 3/10/07	ENGINEER: W. Jones	LOGGED IN: 28 Feb 07	TYPE: SWD	APP NO: PCLP 0705930972
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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



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.

Print or Type Name

Signature

Title

Date

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: MARBOB ENERGY CORPORATION

ADDRESS: P O BOX 227, ARTESIA, NM 88211-0227

CONTACT PARTY: Brian Collins PHONE: 505-748-3303

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 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: Brian Collins

TITLE: Engineer

SIGNATURE: Brian Collins

DATE: 02/15/2007

E-MAIL ADDRESS: engineering@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: _____

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

Marbob Energy Corporation

C-108 Application for Authorization to Inject
SWD 2-22-28
F-2-T22S-R28E
Eddy County, NM

Outline: Marbob Energy Corporation proposes to reenter the Eddy "C" State 1 (30-015-23301), clean out the 8 5/8" casing and open hole to the plug set across the top of the Bone Spring (~6100'), run 5 1/2" casing, cement the casing from 6100' to 3000' (700' overlap into 8 5/8") and complete the well as a Delaware Sand SWD well from 3930' to 5970'. We propose to call the well the "SWD 2-22-28".

- V. Map is attached.
- VI. No wells within the 1/2 mile radius area of review penetrate the proposed injection zone.
- VII.
 - 1. Proposed average daily injection rate = 500 BWPD
Proposed maximum daily injection rate = 3000 BWPD
 - 2. Closed system
 - 3. Proposed maximum injection pressure = 786 psi
(0.2 psi/ft. x 3930 ft.)
 - 4. Source of injected water will be Delaware produced water. The Delaware produced water is the same as the Delaware water in the receiving formation. An analysis of the Delaware water is attached. No compatibility problems are expected.
 - 5. Disposal zone formation water is essentially the same as the injection water.
- VIII. The injection zone is the Delaware Sandstone, a fine grained sandstone from 3930' to 5970'. Any underground water sources will be shallower than 434'.
- IX. Delaware sand injection interval will be acidized with of 7 1/2% HCl acid. If necessary, the Delaware injection interval may be fraced with up to 250,000 lbs of 20/40 mesh sand.
- X. Well logs have been filed with the Division.
- XI. There is one livestock windmill within a one mile radius of the SWD 02-22-28. The windmill is located approximately 2800' northwest of the proposed SWD in the far northwest corner of Section 2. A water analysis is 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.

III.

WELL DATA

Proposed Injection Wells

INJECTION WELL DATA SHEETOPERATOR: Marbob Energy CorpWELL NAME & NUMBER: SWD 2-22-78

(Reentry of Eddy "C" State No. 1)

WELL LOCATION: 1980' FWL 1980' FWLUNIT LETTER FSECTION 2TOWNSHIP 22sRANGE 28eWELLBORE SCHEMATICBefore & After
Schematics AttachedWELL CONSTRUCTION DATASurface CasingHole Size: 14 3/4" Casing Size: 11 3/4" @ 434'Cemented with: 400 sx. or ft³Top of Cement: Surface Method Determined: CirculatedIntermediate CasingHole Size: 11" Casing Size: 8 5/8" @ 3706'Cemented with: 1100 sx. or ft³Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 7 7/8" Casing Size: 5 1/2" @ 6100'Cemented with: sx. or 710 ft³Top of Cement: 3000' Method Determined: DesignTotal Depth: 6100'Injection Interval3930'

feet to

5970'(Perforated) or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Plastic or Duoline Fiberglass
Type of Packer: IDK retrievable double grip stainless steel or nickel plated
Packer Setting Depth: ± 3900'
Other Type of Tubing/Casing Seal (if applicable): N/A

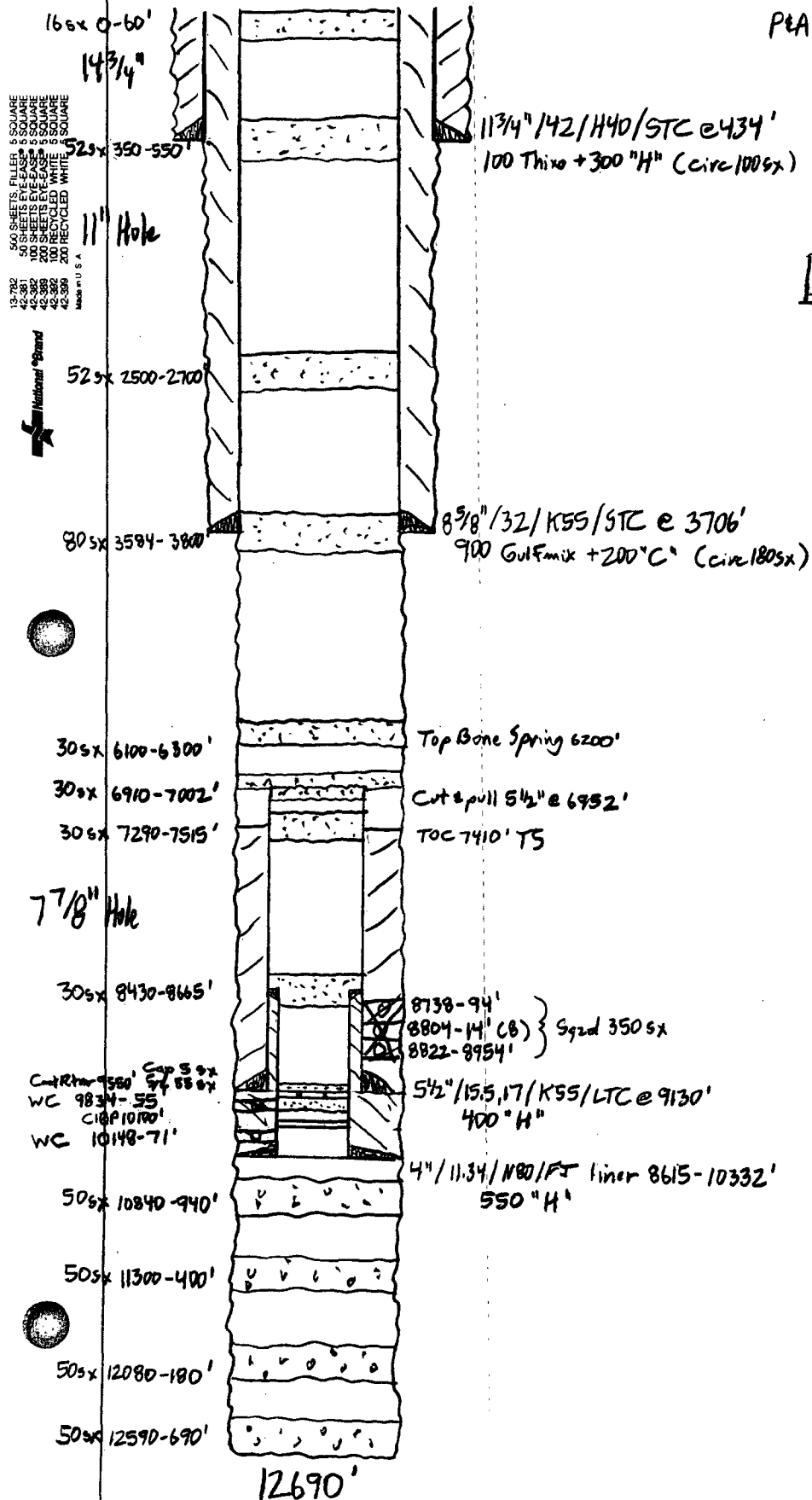
Additional Data

1. Is this a new well drilled for injection? Yes No X
If no, for what purpose was the well originally drilled? Oil and gas
2. Name of the Injection Formation: Delaware Sand
3. Name of Field or Pool (if applicable): Indian Flats
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. Wolfcamp 9834 - 10171'
CBP 10100', Retor 9550' (55' below, 5' on top), Bone Spring 8738-8954', 30' x 8430-8665', 30' x 7290-7515', 30' x 6100-6300'
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Underlying: Bone Spring 8700'±, Wolfcamp ± 9800', Strawn ± 11000', Atoka ± 11400', Merrow ± 12200'
Overlying: Delaware ± 3500 - 3680'

Eddy "C" State #1
 1980' FNL, 1980' FNL
 F-2-225-28e
 Eddy, NM
 30-015-23301

PEA 4/90

Before SWD Conversion



13-782	500 SHEETS, FILLER	5 SQUARE
12-381	50 SHEETS EYE-EASE	5 SQUARE
12-382	100 SHEETS EYE-EASE	5 SQUARE
12-389	200 SHEETS EYE-EASE	5 SQUARE
12-392	100 RECYCLED WHITE	5 SQUARE
12-399	200 RECYCLED WHITE	5 SQUARE

Made in U.S.A.



National Brand

7 7/8" Hole

WC 9834-55
WC 10148-71

505* 10840-940'

50s x 11300-400'

50s x 12080-180'

50x12590-690'

12690'

113/4" / 42" / H40 / STC @ 434'
100 Thixo + 300 "H" (circ 100sx)

27/8" IAC/Duoline Wtr. Inj. Tbg.

TOC 3000' Design

8 5/8" / 32 / K55 / ST e 3706'
900 Gulfmix + 200" C" (cive 1805x)

3930'

5970'

Lower Delaware SWD Zone

5 1/2" 117/J55/LTC @ 6100' Cmt w/ 710 CF slurry to bring TDC to 3000' ±
Top Bone Spring 6200'

Cut & pull 5 1/2" @ 6952'

TOC 7410' TS

8738-94' }
8804-14' (8) } Sgsd 350 sx
8822-8954' }

54"/15.5,17/K55/LTC@9130'
400"H"

4"/11.34/N80/FJ liner 8615-10332'
550"H'

After SWD Conversion

V.

MAP

[illegible]

VII.

WATER ANALYSIS

Injection Water

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY Marbob Energy

REPORT W07-030
DATE February 8, 2007
DISTRICT Hobbs

SUBMITTED BY Produced & Injection Zone Water Sample From
Bass Indian Flats Federal Battery (Delaware Sand)

WELL Indian Flats Fed. #5-6 DEPTH 5/2 Sec. 35-215-28e FORMATION
COUNTY _____ FIELD _____ SOURCE _____
TANK _____
SAMPLE _____

Sample Temp.	<u>70</u> °F	_____ °F	_____ °F	_____ °F
RESISTIVITY	<u>0.07</u>	_____	_____	_____
SPECIFIC GR.	<u>1.090</u>	_____	_____	_____
pH	<u>7.97</u>	_____	_____	_____
CALCIUM	<u>6,000</u> mpl	_____ mpl	_____ mpl	_____ mpl
MAGNESIUM	<u>4,500</u> mpl	_____ mpl	_____ mpl	_____ mpl
CHLORIDE	<u>78,715</u> mpl	_____ mpl	_____ mpl	_____ mpl
SULFATES	<u>Moderate</u> mpl	_____ mpl	_____ mpl	_____ mpl
BICARBONATES	<u>170</u> mpl	_____ mpl	_____ mpl	_____ mpl
SOLUBLE IRON	<u>0</u> mpl	_____ mpl	_____ mpl	_____ mpl
KCL	<u>Negative</u>	_____	_____	_____
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: _____

X.

**POROSITY
LOG SECTION**

**Across Disposal Interval
3930' to 5970'**

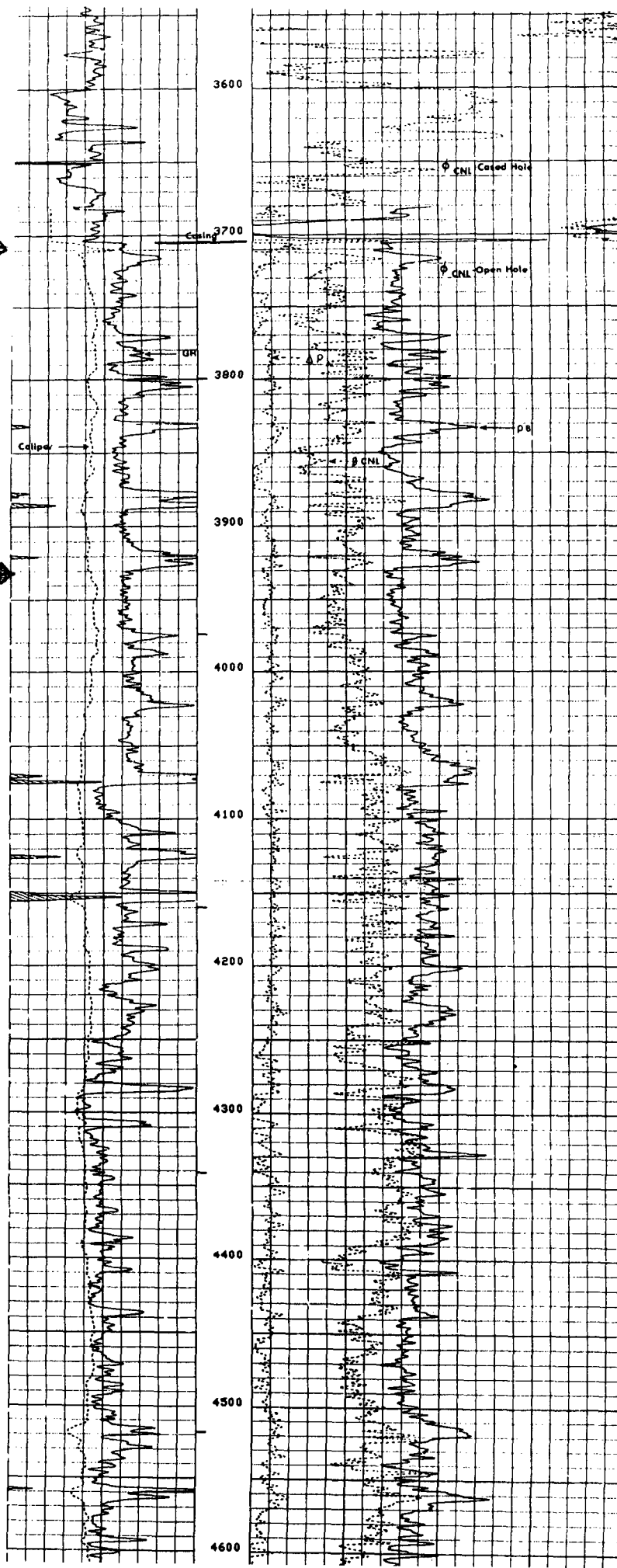
COMPENSATED NEUTRON FORMATION DENSITY

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation. We assume no responsibility for any loss, cost, damages or expenses incurred by any person, firm or organization. These interpretations are made solely for the use of our customers and are not to be used for any other purpose. We assume no responsibility for any loss, cost, damages or expenses incurred by any person, firm or organization. These interpretations are made solely for the use of our customers and are not to be used for any other purpose.

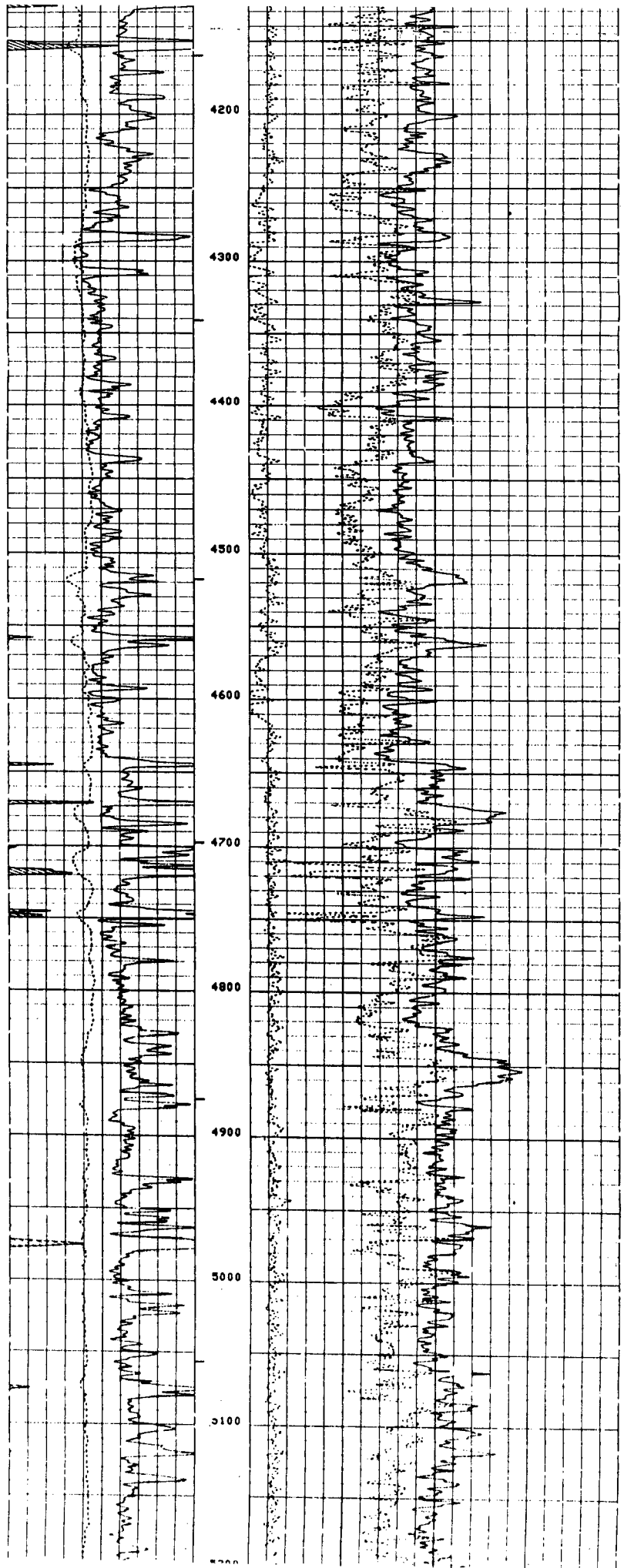
10
10
10
10
10
10

85 1/8" e 3706'

Top of Delaware
Disposal Interval



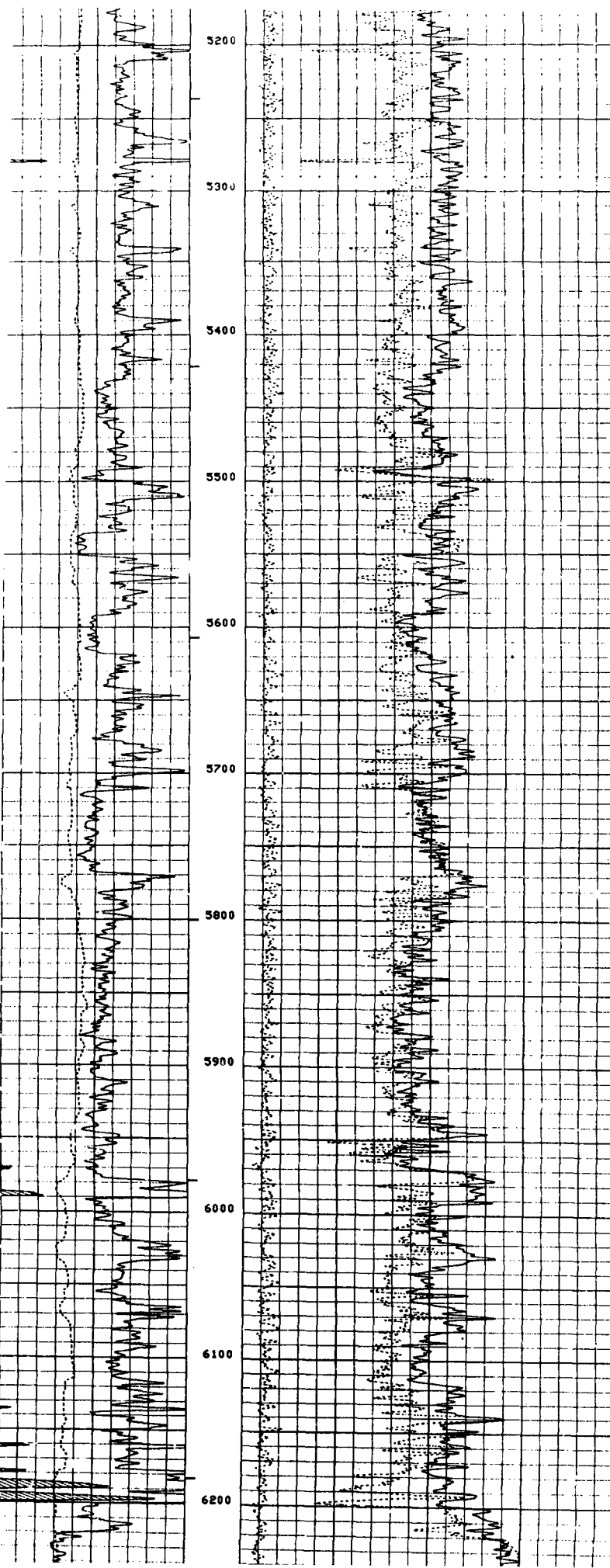
↑
Disposal Zones
↓



Bottom of Delaware
Disposal Interval

Approx. 5 1/2" setting depth

Top of Bone Spring



XI.

WATER ANALYSIS

**Windmill
NW/4 Section 2
T22S-R28E
Eddy County, NM**

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY Marbob Energy

REPORT W07-031
DATE February 8, 2007
DISTRICT Hobbs

SUBMITTED BY Water sample from livestock tank/windmill in far NW/4 of the NW/4 Section 2-22g-28e

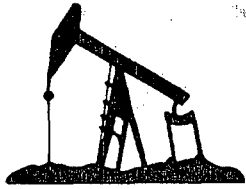
WELL	<u>Big Eddy Unit Windmill</u>	DEPTH	FORMATION
COUNTY	_____	FIELD	SOURCE
TANK	_____	_____	_____
SAMPLE	_____	_____	_____
Sample Temp.	<u>70</u> °F	_____ °F	_____ °F
RESISTIVITY	<u>0.49</u>	_____	_____
SPECIFIC GR.	<u>1.009</u>	_____	_____
pH	<u>7.79</u>	_____	_____
CALCIUM	<u>3,500</u> mpl	_____ mpl	_____ mpl
MAGNESIUM	<u>1,200</u> mpl	_____ mpl	_____ mpl
CHLORIDE	<u>8,556</u> mpl	_____ mpl	_____ mpl
SULFATES	<u>High</u> mpl	_____ mpl	_____ mpl
BICARBONATES	<u>610</u> mpl	_____ mpl	_____ mpl
SOLUBLE IRON	<u>0</u> mpl	_____ mpl	_____ mpl
KCL	<u>Negative</u>	_____	_____
Sodium	_____ mpl	_____ mpl	_____ mpl
TDS	_____ mpl	_____ mpl	_____ mpl
OIL GRAVITY	_____ @ _____ °F	_____ @ _____ °F	_____ @ _____ °F

REMARKS

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

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ANALYST: _____



marbob
energy corporation

February 15, 2007

Artesia Daily Press
P. O. Box 190
Artesia, NM 88211-190

Re: Legal Notice
Water Injection Well

Gentlemen:

Enclosed is a legal notice regarding New Mexico Oil Conservation Division C-108 Application for Authorization to Inject for a water injection well.

Please run this notice and return the proof of notice to the undersigned at Marbob Energy Corporation, P. O. Box 227, Artesia, NM 88211-0227.

Sincerely,

Brian Collins
Petroleum Engineer

BC/dlw

enclosure

ARTESIA DAILY PRESS
LEGAL NOTICES

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 to reenter the Eddy "C" State No. 1 located 1980' FNL 1980' FWL, Section 2, Township 22 South, Range 28 East, Eddy County, New Mexico, and convert it to a salt water disposal well in the Delaware Sand formation from 3930' to 5970'. The maximum injection rate will be 3000 BWPD at a maximum surface injection pressure of 786 psi. Injection water will be sourced from area wells producing from the Delaware Sand formation. The disposal water will be injected into the Delaware Sand. 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 505-748-3303.

Published in the Artesia Daily Press, Artesia, New Mexico _____,
2007.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103

May 27, 2004

WELL API NO.

30-015-23301

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

EDDY "C" STATE

8. Well Number 1

9. OGRID Number

14049

10. Pool name or Wildcat

UNDES INDIAN FLATS MORROW

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator

MARBOB ENERGY CORPORATION

3. Address of Operator

P O BOX 227, ARTESIA, NM 88211-0227

4. Well Location

Unit Letter F : 1980 feet from the NORTH line and 1980 feet from the WEST line
Section 2 Township 22S Range 28E NMPM EDDY County NM

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3157' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

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: CONVERT TO SWD ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

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.

MARBOB ENERGY CORPORATION PROPOSES TO CONVERT THIS WELL TO INJECTION. NMOCD C-108
"APPLICATION FOR AUTHORIZATION TO INJECT" IS ATTACHED.

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 Brian Collins TITLE PETROLEUM ENGINEER DATE 02/15/07

Type or print name BRIAN COLLINS

For State Use Only

E-mail address:

engineering@marbob.com

Telephone No.

505-748-3303

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

U.S. POSTAL SERVICE
CERTIFIED MAIL
POSTAGE WILL BE PAID BY ADDRESSEE
NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

7004 0550 0000 7457 8509
7004 0550 0000 7457 8509

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

JWD 2-22-28 (Geology)
Sent To
JUDAH OIL COMPANY
P O BOX 568
ARTESIA NM 88211-0568

Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions

U.S. POSTAL SERVICE
CERTIFIED MAIL
POSTAGE WILL BE PAID BY ADDRESSEE
NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

7004 0550 0000 7457 8448
7004 0550 0000 7457 8448

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

JWD 2-22-28 (Geology)
Sent To
BASS ENTERPRISES PROD CO
201 MAIN ST STE 3180
FT WORTH TX 76102

Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions

U.S. POSTAL SERVICE
CERTIFIED MAIL
POSTAGE WILL BE PAID BY ADDRESSEE
NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

7004 0550 0000 7457 8516
7004 0550 0000 7457 8516

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

JWD 2-22-28 (Geology)
Sent To
NM STATE LAND OFFICE
P O BOX 1148
SANTA FE NM 87504-1148

Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

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

MAY -2 '90

WELL API NO.
30-015-23301

1. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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

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

2. Name of Operator
Chevron U.S.A. Inc.

3. Address of Operator
P.O. Box 670, Hobbs, NM 88240

7. Lease Name or Unit Agreement Name

Eddy "C" State

8. Well No.
1

9. Pool name or Wildcat
Indian Flats

4. Well Location
Unit Letter F : 1980 Feet From The North Line and 1980 Feet From The West Line
Section 2 Township 22S Range 28E NMPM Eddy County

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

3157' 6"

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

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

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1101.

MIRU PU, PUMPED 250 BBLs DN CSG TO KILL WELL, TOH W/ 2 3/8" & 2 1/16" PROD TBG, TIH W/4" HOWCO CIRC & 34 JTS 2 1/16" PH-6 HYDRIL TBG & 2 3/8" WS & SET CIRC @ 9550 STING OUT CIRC WELL W/P&A MUD STING INTO CIRC & SQZ WOLF CAMP PERFS 9834-55 W/55 SXS CLASS H CMT FINAL SQZ PRESSURE-3200 PSI CAP CIRC W/5 SXS PULL UP HOLE & SET 235' BALANCED CMT PLUG F 8665 TO 8430 W/30 SXS CLASS C PULL UP HOLE & SET 225' BALANCED CMT PLUG F 7515 TO 7290 W/30 SXS CLASS C, TOH LD 2 1/16" IJ TBG & SETTING TOOL NDBOPE WELD ON 5 1/2" JT CSG & INSTALL CSG JACKS RIH W/FPI FREEPOINT 5 1/2" CSG @ 6998 JET CUT 5 1/2" CSG @ 6952, PULL & LD 5 1/2" CSG REC'D TTL 212 & 1 CUT JTS TIH W/ TBG TO 7002 CIRC WELLBORE W/P&A MUD SET 100' BALANCED CMT PLUG F 7002 TO 6902 W/30 SX CLASS C TAG PLUG @ 6910 SET 200' BALANCED CMT PLUG F 6300 TO 6100 W/ 30 SX CLASS C TOH W/1 JT PLUGGED TBG TIH TO 3800 & SET 200' BALANCED CMT PLUG FROM 3800 TO 3600 W/80 SX WOC 1 HR & TAG PLUG @ 3584 SET 200' BALANCED CMT PLUGS F 2700 TO 2500 W/52 SX & 550 TO 350 W/52 SX & 60' SURF PLUG F 60 TO GL W/16 SX CUT OFF WH INSTALL DRY HOLE MARKER, CHANGE STATUS TO PLUGGED & ABANDONED 4-28-90.

WORK STARTED 4-24-90 WORK ENDED 4-29-90

Post ID-2
5-18-90
PFA

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

SIGNATURE M. E. Akins 4/30/90 TITLE Staff Drlg. Engr. DATE 4-30-90
TYPE OR PRINT NAME M. E. Akins TELEPHONE NO. 393-4121

(This space for State Use)

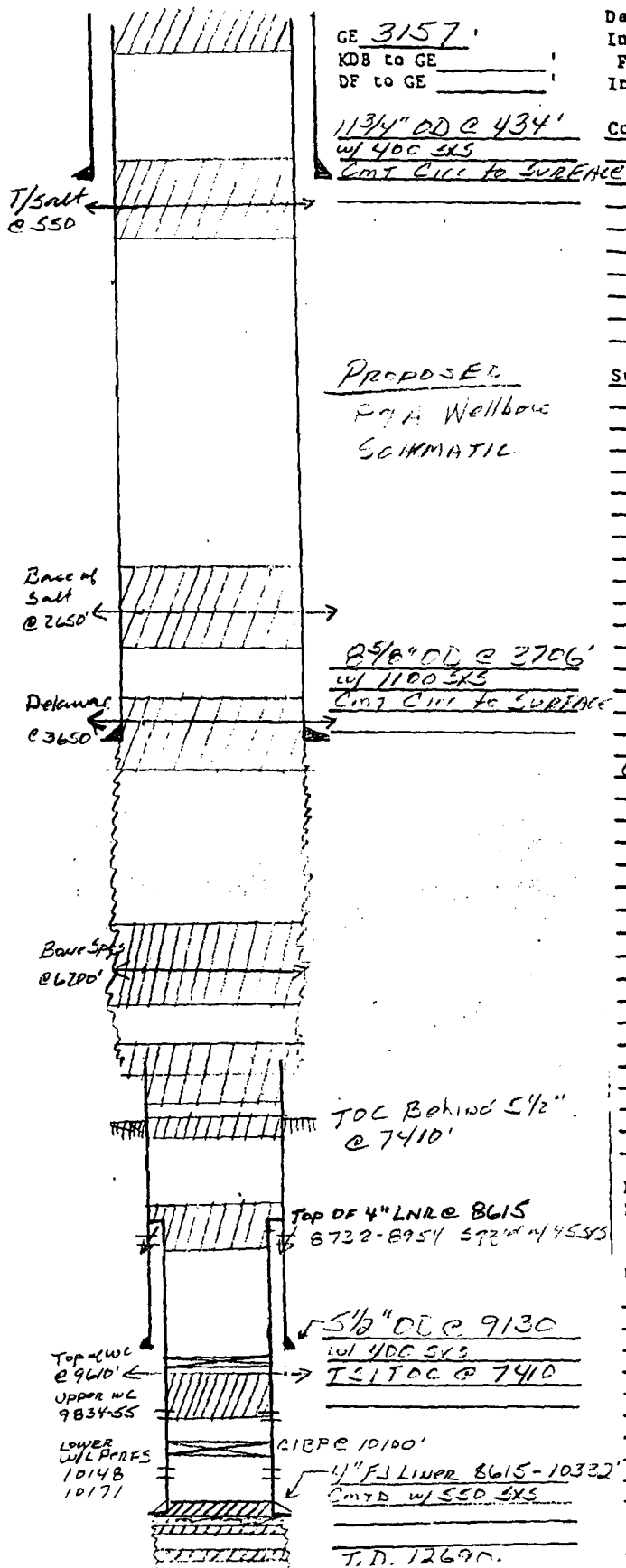
APPROVED BY Johnny Robinson TITLE OIL AND GAS INSPECTOR DATE June 19, 1990

CONDITIONS OF APPROVAL, IF ANY:

OK
GW

Well Data Sheet

LEASE & WELL NO. EDDY "C" STATE #1 FIELD/POOL INDIAN FLATS DATE 2-1-90
 LOCATION 1960' FEET FROM NORTH LINE AND 1960 FEET FROM WEST LIN
 SECTION 2 T22S R38E UNIT F COUNTY EDDY STATE NM



GE 3157

KDB to GE

DF to GE

1 3/4" OD @ 434'

w/ 400 SXS

CMT CIRC TO SURFACE

PROPOSED

PFA Wellbore

SCHEMATIC

8 5/8" OD @ 2706'

w/ 1100 SXS

CMT CIRC TO SURFACE

TOC Behind 5 1/2"

@ 7410'

TOP OF 4" LNR @ 8615

6732-8954 5 7/8" w/ 45 SXS

5 1/2" OD @ 9130

w/ 400 SXS

T.S. TOC @ 7410

CIR @ 10100

1 1/2" FL LNR @ 8615-10322

CMTD w/ 550 SXS

T.D. 12690.

Date Completed 12-11-80

Initial Formation

From: _____ to _____ GCR

Initial: Production ☐ bopd _____ bOr: Injection ☐ bwpd @ _____ p

Completion Data:

Subsequent Workover or Reconditioning:

- CMT Plug #1: 12590-12690 w/ 50 SXS
 2) 12160-12060 w/ 50 SXS
 3) 11400-11300 w/ 50 SXS
 4) 10940-10840 w/ 50 SXS
 5) 9230-9130 Drilled C/P
 CIR @ 10100
 CIR @ 9550 3 1/2"
 w/ 50 SXS
 6) 8665-8465 w/ 25 SXS
 7) 7510-7310 w/ 25 SXS
 8) 100' Plug H&R @ 5 1/2"
 9) C&G STUB
 10) 6300-6100 w/ 50 SXS
 11) 3800-3600 w/ 50 SXS
 12) 2700-1500 w/ 50 SXS
 13) 550-350 w/ 50 SXS
 14) 60 - SURFACE w/ 15 SXS

Present Inj. ☐ bwpd @ _____ psiPresent Prod. ☐ bopd _____ bwpd

DATE _____ GAS _____ MCFPD

Remarks Or Additional Data:

EDDY "C" STATE #1
FORMATION TOPS:

TOP/SALT	550
BASE/SALT	2650
TOP/YATES	2650
TOP/BONE SPRINGS	6200
TOP/WOLFCAMP	9610
CANYON	10890
STRAWN	11050
ATOKA	11390
MISS	12614

Well Selection Criteria Quick Print

Tuesday, March 13, 2007

Page 1

(WH_SEC = 2 and WH_TWPN = 22 and WH_TWPD Like 'S' and WH_RNGN = 28 and WH_RNGD Like 'E')

API Well #	Well Name and No.	Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-015-23037-00-00	LUCY PEARL STATE <i>OK</i>	OGS OPERATING CO INC	O	P	Eddy	S	B	2	22 S	28 E	330 N	2130 E		10/5/1999
30-015-22512-00-00	FORD STATE <i>OK</i>	JUDAH OIL	O	A	Eddy	S	C	2	22 S	28 E	330 N	2310 W		12/11/2006
30-015-22714-00-00	FORD STATE <i>OK</i>	JUDAH OIL	O	A	Eddy	S	F	2	22 S	28 E	1650 N	1650 W		10/17/2005
30-015-23301-00-00	PRE-ONGARD WELL	Mack	O	F	Eddy	S	F	2	22 S	28 E	1980 N	1980 W		
30-015-23337-00-00	LUCY PEARL STATE <i>OK</i>	JUDAH OIL	O	A	Eddy	S	G	2	22 S	28 E	1712 N	2310 E		10/17/2005
30-015-23610-00-00	JEFE GRANDE STATE	MARBOB ENERGY CORP	G	N	Eddy	S	M	2	22 S	28 E	660 S	660 W		

Bad water flow @ 1200' in

*Prepared in well, other all too shallow
all in upper, middle Delaware*

Well Selection Criteria Quick Print

Tuesday, March 13, 2007

Page 1

(WH_SEC = 35 and WH_TWPN = 21 and WH_TWPD Like 'S' and WH_RNGN = 28 and WH_RNGD Like 'E')

API Well #	Well Name and No.	Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft EW	UICPrmt	Lst Insp Dt
30-015-22391-00-00	PRE-ONGARD WELL	Mack	O	P	Eddy		C	35	21 S	28 E	990 N	1650 W		
30-015-24966-00-00	INDIAN FLATS BASS FEDERAL 001	BEPCO, LP	O	A	Eddy	F	E	35	21 S	28 E	1980 N	660 W		10/17/2005
30-015-21715-00-00	INDIAN FLATS BASS FEDERAL 002	BEPCO, LP	O	A	Eddy	F	F	35	21 S	28 E	1980 N	1980 W		10/17/2005
30-015-22222-00-00	BIG EDDY UNIT	BEPCO, LP	S	A	Eddy	F	G	35	21 S	28 E	1980 N	2310 E	R-5693	9/13/2006
30-015-21325-00-00	BIG EDDY	BEPCO, LP	G	A	Eddy	F	J	35	21 S	28 E	1980 S	1980 E	ACOI-118	3/8/2006
30-015-22229-00-00	INDIAN FLATS BASS FEDERAL 004	BEPCO, LP	O	A	Eddy	F	K	35	21 S	28 E	2310 S	1650 W		10/17/2005
30-015-21853-00-00	INDIAN FLATS BASS FEDERAL 003	BEPCO, LP	O	A	Eddy	F	L	35	21 S	28 E	1650 S	330 W		10/17/2005
30-015-22672-00-00	PRE-ONGARD WELL	Mack	O	P	Eddy		M	35	21 S	28 E	330 S	990 W		
30-015-22671-00-00	INDIAN FLATS BASS FEDERAL 005	BEPCO, LP	O	A	Eddy	F	N	35	21 S	28 E	330 S	2310 W		10/17/2005
30-015-22673-00-00	INDIAN FLATS BASS FEDERAL 006	BEPCO, LP	O	A	Eddy	F	O	35	21 S	28 E	330 S	2310 E		10/17/2005

OK

Shallow T40m INT well

Injection Permit Checklist 2/8/07

SWD Order Number 1076 Dates: Division Approved _____ District Approved _____

Well Name/Num: SWD 2-22-28 Date Spudded: 5/8/80

API Num: (30-) 015-23301 County: EDDY

Footages 1,980 FNL / 1,980 FWL Sec 2 Tsp 22S Rge 28E

Operator Name: Marbel Energy Corporation Contact Brian Collins

Operator Address: P.O. Box 227, Artesia, NM 88211-0227

Current Status of Well: P&A Planned Work: RE-enter / install 5 1/2" Frac maybe Inj. Tubing Size: 2 7/8

	Hole/Pipe Sizes	Depths	Cement	Top/Method
Surface	14 3/4 11 3/4	434'	400	CIRced
Intermediate	11" 8 5/8	3706	1100	CIRced
Production	7 7/8 5 1/2	6100	700 ft ³	≈ 3000'
Last DV Tool				
Open Hole/Liner				
Plug Back Depth				

Diagrams Included (Y/N): Before Conversion ☒ After Conversion ☒

Checks (Y/N): Well File Reviewed ☒ ELogs in Imaging ☒

Intervals:	Depths	Formation	Producing (Yes/No)
Salt/Rotash	<u>OK</u>	<u>OUT of BETH</u>	
Capitan Reef	<u>OK</u>		
Cliff House, Etc:			
Formation Above		<u>Delmar</u>	
Top Inj Interval	<u>3,930</u>	<u>Lower Delmar</u>	
Bottom Inj Interval	<u>5,970</u>	<u>Lower Delmar</u>	
Formation Below	<u>6,200'</u>	<u>BREA SPRING</u>	

3674' = Top Cherry Canyon

786 PSI Max. WHIP

NO Open Hole (Y/N)

NO Deviated Hole (Y/N)

Fresh Water: Depths: < 434' Wells(Y/N) Yes Analysis Included (Y/N) Yes Affirmative Statement Yes

Salt Water Analysis: Injection Zone (Y/N/NA) Delmar Disposition (Y/N/NA) Yes Types: Delmar

Notice: Newspaper(Y/N) sent 2/15/07 Surface Owner SLO Mineral Owner(s) _____

Other Affected Parties: JUDAH Bass

AOR/Repairs: NumActiveWells 0 Repairs? _____ Producing in Injection Interval in AOR _____

AOR Num of P&A Wells 0 Repairs? _____ Diagrams Included? Yes RBDMS Updated (Y/N) _____

Well Table Adequate (Y/N) Yes AOR STRs: Sec _____ Tsp _____ Rge _____ UIC Form Completed (Y/N) ☒

New AOR Table Filename _____ Sec _____ Tsp _____ Rge _____ This Form completed 3/13/07

Conditions of Approval: Sec _____ Tsp _____ Rge _____ Data Request Sent _____

Mack is operator - well is P&AED
- need Final Newspaper NOTICE

AOR Required Work: _____

Required Work to this Well: _____