HOLLAND&HART LLP

Adam G. Rankin
agrankin@hollandhart.com

December 20, 2011

VIA HAND DELIVERY

Jami Bailey, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Case 14790

Re: Application of OXY USA, Inc. for authorization to conduct a pressure maintenance project in the Old Millman Ranch Bone Spring Pool through its Government AB No. 9 well, Eddy County, New Mexico.

Dear Ms. Bailey:

Enclosed in triplicate is the above-referenced application of Oxy USA Inc. ("OXY"), as well as a copy of a legal advertisement. OXY respectfully requests that this matter be placed on the docket for the January 19, 2012, examiner hearing.

Very truly yours,

Adam G. Rankin

Enclosures
cc: David Stewart, OXY

CASE 14290: **Application of OXY USA, Inc. for authorization to conduct a pressure maintenance project in the Old Millman Ranch Bone Spring Pool through its Government AB No. 9 well, Eddy County, New Mexico.** Applicant in the above-styled cause seeks an order authorizing a pressure maintenance project in the Old Millman Ranch Bone Spring Pool through its Government AB No. 9 well, with a surface location 330 feet from the North line and 230 feet from the East line of Section 10, Township 20 South, Range 28 East, NMPM, Eddy County, New Mexico.. Said well is located approximately 11 miles northeast of Carlsbad, New Mexico.

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

Case 14790

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery____X___Pressure Maintenance _____Disposal _____Storage
Application qualifies for administrative approval? _____Yes ___X____No

II. OPERATOR: _____OXY USA WTP Limited Partnership_____ Government AB #9

ADDRESS: _____P.O. Box 50250 Midland, TX 79710_____

CONTACT PARTY: _David Stewart_____ PHONE: __432-685-5717__

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? ____X____Yes _____No
If yes, give the Division order number authorizing the project: ____R-11328_____

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. Attached

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. Attached

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected; Avg-500BWPD – Max-1000BWPD
2. Whether the system is open or closed; Closed
3. Proposed average and maximum injection pressure; Avg-1000psi – Max-1275psi
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, Attached
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.). Attached

*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. Attached

IX. Describe the proposed stimulation program, if any. Attached

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). Logs already on file with the NMOCD.

*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. Attached

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. Attached

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. Attached

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: ____Alfredo Yaguaracuto_____ TITLE: ____Sr. Reservoir Engineer_____

SIGNATURE: _____ DATE: 12/15/2011

E-MAIL ADDRESS: ____alfredo_yaguaracuto@oxy.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: _8/23/10 – Referred to hearing_____

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

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP Limited Partnership

WELL NAME & NUMBER: Government AB #9

WELL LOCATION: SL-330 FNL 230 FEL BHL-772 FNL 660 FEL | NENE(A) | 10 | 20S | 28E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8" @ 400'

Cemented with: 614 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulated

Intermediate Casing

Hole Size: 11" Casing Size: 8-5/8" @ 3005'

Cemented with: 1400 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulated

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2" @ 6718'

Cemented with: 910 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circ

Total Depth: 6725'

Injection Interval

6378 feet to 6619 feet

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" 6.5# N80 Lining Material: polylined

Type of Packer: Baker Loc-Set

Packer Setting Depth: 6320'

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? Producing Oil Well

2. Name of the Injection Formation: Bone Spring

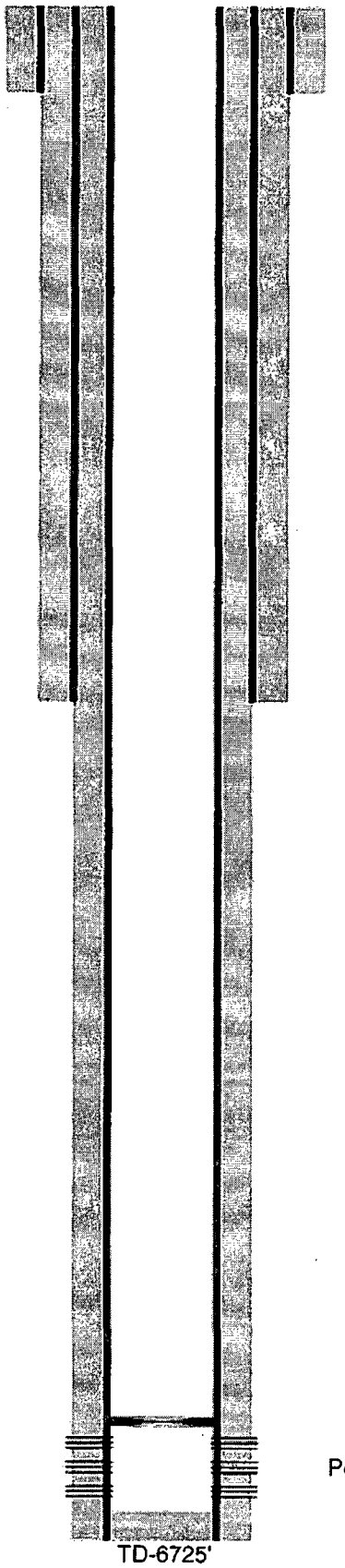
3. Name of Field or Pool (if applicable): Old Millman Ranch Bone Spring Assoc. (48035)

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. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Yates-1024' Delaware-3266' Bone Spring-4579'

   1st Bone Spring-6368'

OXY USA WTP LP - Current
Government AB #9
API No. 30-015-27964



17-1/2" hole @ 400'
13-3/8" csg @ 400'
w/ 614sx-TOC-Surf-Circ

11" hole @ 3005'
8-5/8" csg @ 3005'
w/ 1400sx-TOC-Surf-Circ

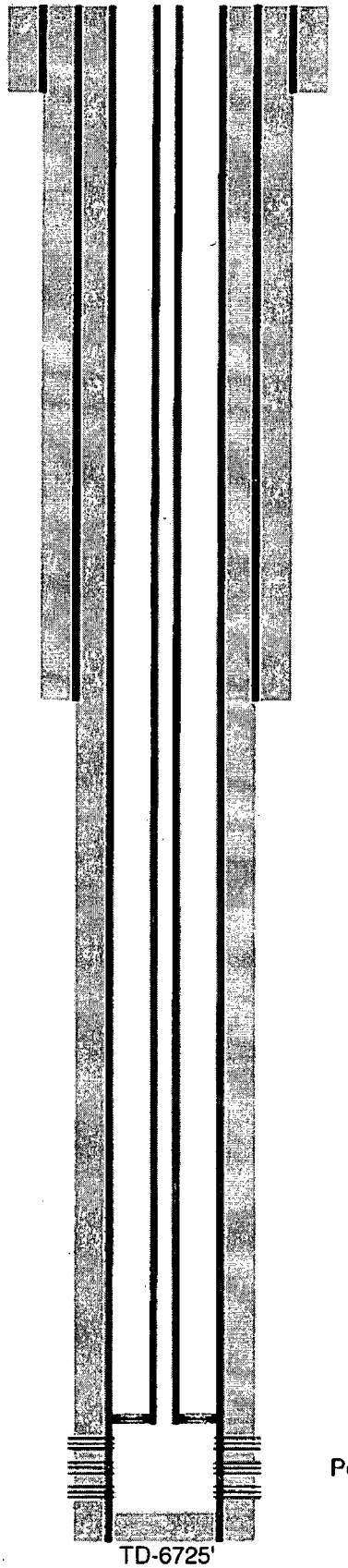
7-7/8" hole @ 6725'
5-1/2" csg @ 6718'
w/ 910sx-TOC-Surf-Circ

12/05-CIBP @ 6314'

Perfs @ 6378-6619'

TD-6725'

OXY USA WTP LP - Proposed
Government AB #9
API No. 30-015-27964



17-1/2" hole @ 400'
13-3/8" csg @ 400'
w/ 614sx-TOC-Surf-Circ

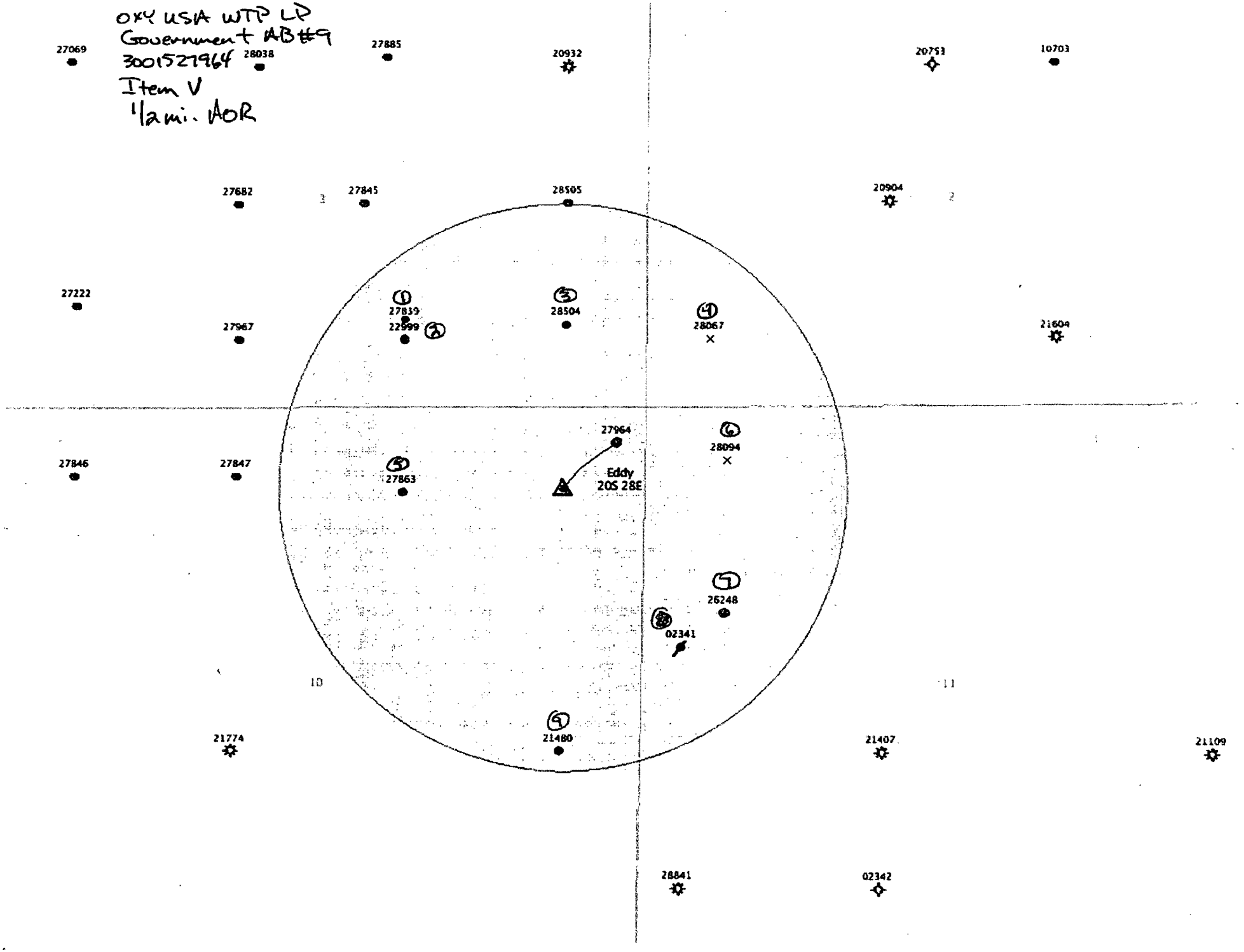
11" hole @ 3005'
8-5/8" csg @ 3005'
w/ 1400sx-TOC-Surf-Circ

7-7/8" hole @ 6725'
5-1/2" csg @ 6718'
w/ 910sx-TOC-Surf-Circ

2-7/8" tbg & Baker LS @ 6320'

Perfs @ 6378-6619'

TD-6725'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Government AB #9
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Item V
1/2 mi. AOR
27069
28038
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27682
27845
28505
20904
27222
27967
27839
22999
28504
28067
21604
27964
28094
27846
27847
27863
Eddy
20S 28E
26248
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02342
1
2
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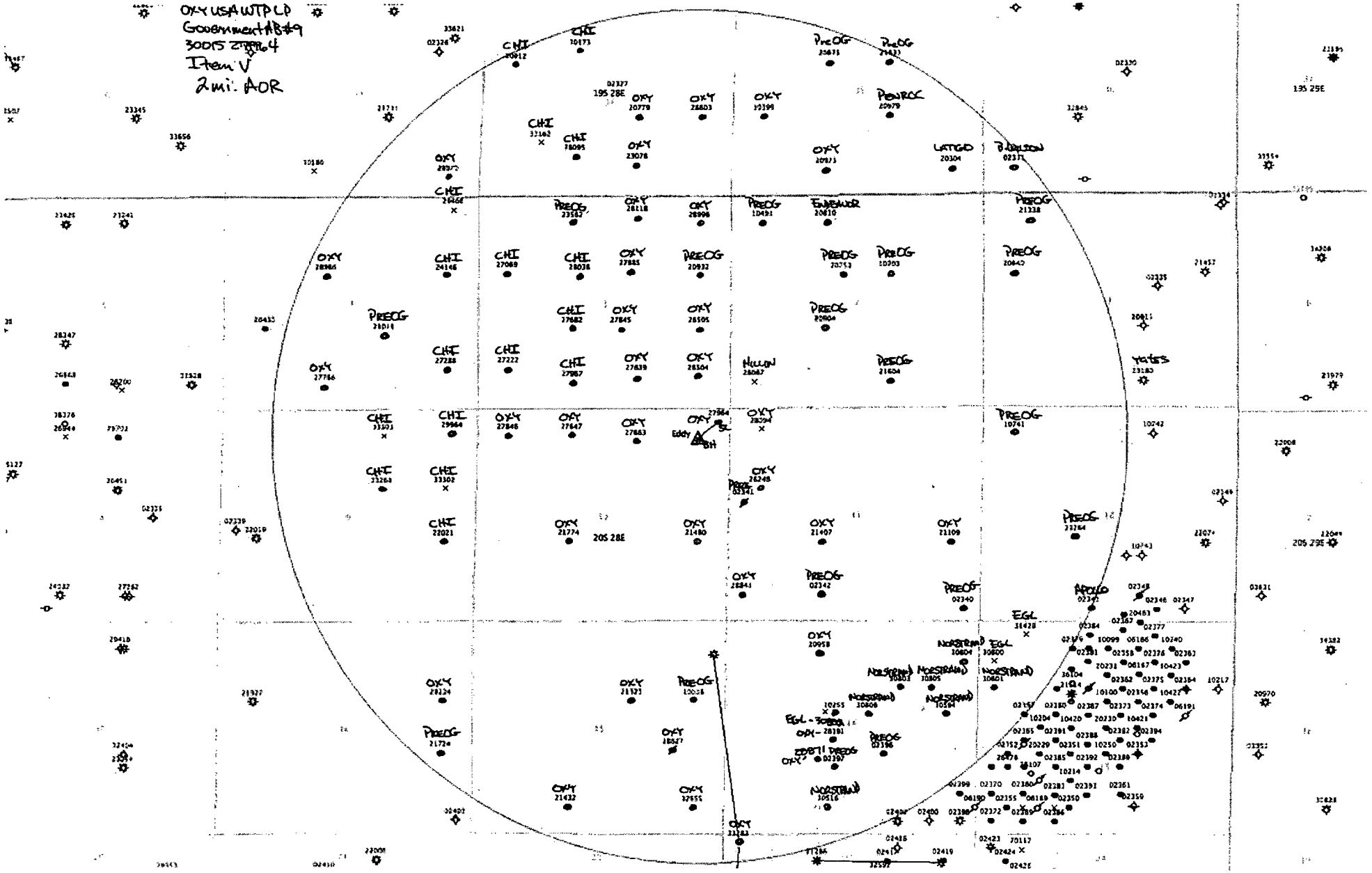
10
11

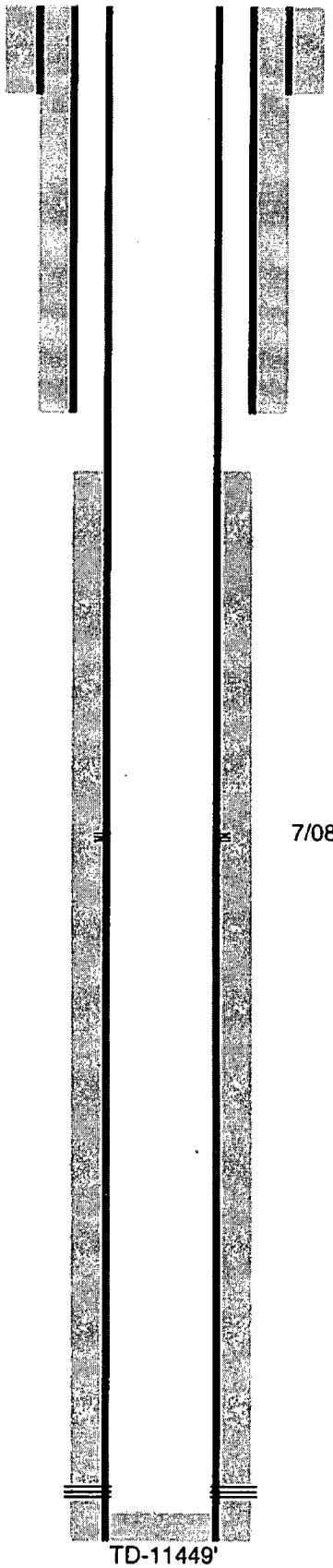

OXY USA WTP LP
Government AB #9
30015 27864
Item V
2mi. AOR
195 28E
205 28E
135 25E
205 29E
Eddy
SH

C-108 - Item VI
Government AB #9
AREA OF REVIEW

OPERATOR	LEASE	WELL NO.	API NO.	PLAT	LOCATION	DATE DRILLED	TD	PERFS	CASING-CEMENT	STATUS
OXY USA WTP LP	Government S	3	3001527839	1	810 FSL 1980 FEL	2/9/94	6550'	6254-6515'	13-3/8" @ 413' w/ 415sx - TOC-Surf-Circ	Act Oil
					O-3-20S-28E				8-5/8" @ 3015' w/ 1450sx - TOC-Surf-Circ	Old Millman Ranch
									5-1/2" @ 6550' w/ 725sx - TOC-3200'-TS	Bone Spring
OXY USA WTP LP	Government S	2	3001522999	2	660 FSL 1980 FEL	1/21/80	11329'	11214-11237'	13-3/8" @ 400' w/ 1750sx - TOC-Surf-Circ	Act Gas
					O-3-20S-28E				8-5/8" @ 3030' w/ 1770sx - TOC-Surf-Circ	Winchester
									5-1/2" @ 11320' w/ 850sx - *TOC-6300'-CBL	Morrow
									*7/08-Perf @ 6190-6270'Sqz 135Sax - TOC-3667'-TS	
OXY USA WTP LP	Government S	7	3001528504	3	810 FSL 660 FEL	6/7/95	6680'	6306-6560'	13-3/8" @ 405' w/ 570sx - TOC-Surf-Circ	Act Oil
					P-3-24S-29E				8-5/8" @ 3000' w/ 1080sx - TOC-Surf-Circ	Old Millman Ranch
									5-1/2" @ 6680' w/ 545sx - TOC-3060'-CBL	Bone Spring
Hillin Production Co.	JCW State	1	3001528057	4	660 FSL 510 FWL	---	---	---	---	Abd Loc
					M-2-20S-28E					Not Drilled
OXY USA WTP LP	Government AB	8	3001527863	5	810 FNL 1980 FEL	4/26/94	6630'	6300-6516'	13-3/8" @ 418' w/ 1300sx - TOC-Surf-Circ	Act Oil
					B-10-20S-28E				8-5/8" @ 3010' w/ 1400sx - TOC-Surf-Circ	Old Millman Ranch
									5-1/2" @ 6630' w/ 525sx - TOC-1400'-CBL	Bone Spring
OXY USA Inc.	Government AB	10	3001528094	6	510 FNL 650 FWL	---	---	---	---	Abd Loc
					D-11-20S-28E					Not Drilled
OXY USA WTP LP	Government AB	5	3001526248	7	1980 FNL 660 FWL	1/1/90	11400'	11016-11259'	13-3/8" @ 595' w/ 650sx - TOC-Surf-Circ	Act Gas
					E-11-20S-28E				8-5/8" @ 3020' w/ 2200sx - TOC-Surf-Circ	Burton Flat
									5-1/2" @ 11400' w/ 975sx - TOC-2900'-TS	Morrow
*Jamison & Pollard	Crosby	1	3001502341	8	2310 FNL 330 FWL	7/1/45	1188'	1178-1188'	12-1/2" @ 250'	P&A
					E-11-20S-28E				10" @ 460' w/ 50sx	Pre-Ongard
OXY USA WTP LP	Government AB	2	3001521480	9	1980 FSL 660 FEL	2/28/75	11449'	9114-9140'	13-3/8" @ 614' w/ 650sx - TOC-Surf-Circ	Act Gas
					I-10-20S-28E				9-5/8" @ 2770' w/ 1770sx - TOC-Surf-Circ	Burton Flat
									5-1/2" @ 11449' w/ 1025sx - *TOC-7600'-TS	Wolfcamp, North
									*3/05-Perf @ 7500'Sqz 1355sx - TOC-1800'-CBL	

*Wellbore does not penetrate the injection interval.

OXY USA WTP LP
Government S #2
API No. 30-015-22999
Winchester Morrow



17-1/2" hole @ 400'
13-3/8" csg @ 400'
w/ 1750sx-TOC-Surf-Circ

12-1/4" hole @ 3030'
8-5/8" csg @ 3030'
w/ 1770sx-TOC-Surf-Circ

7/08-Perf @ 6190-6270'sqz w/1355sx-TOC-3667'-TS

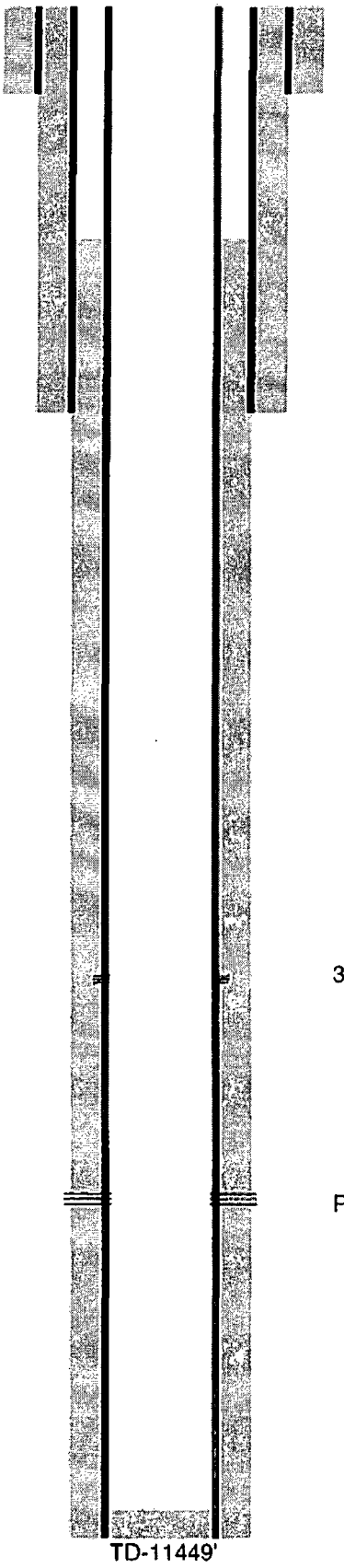
7-7/8" hole @ 11320'
5-1/2" csg @ 11320'
w/ 850sx-TOC-6300'-CBL

Perfs @ 11214-11237'

PB-11336'

TD-11449'

OXY USA WTP LP
Government AB #2
API No. 30-015-21480
Burton Flat Wolfcamp, North



17-1/2" hole @ 614'
13-3/8" csg @ 614'
w/ 650sx-TOC-Surf-Circ

12-1/4" hole @ 2770'
9-5/8" csg @ 2770'
w/ 1770sx-TOC-Surf-Circ

3/05-Perf @ 7500'sqz w/1355sx-TOC-1800'-CBL

Perfs @ 9114-9140'

8-3/4" hole @ 11449'
5-1/2" csg @ 11449'
w/ 1025sx-TOC-7600'-TS

PB-11336'

TD-11449'

ITEM III (5)

Champion Technologies

Water Analysis Report

5/5/2010

Address:

Customer: OXY USA
Attention:
CC: Bone Springs

Lease: Gov AB
Formation:
Salesman: Lonnie Byram

Target Name: Gov AB 7 -

Sample Point: Gov AB 7

Sample Date: 08/25/2009 Test Date: 08/28/2009

Water Analysis(mg/L)

Calcium	2165
Magnesium	778
Barium	
Strontium	
Sodium(calc.)	72935
Bicarbonate Alkalinity	183
Sulfate	619
Chloride	118000
Resistivity	0.0329

Appended Data(mg/L)

CO2	200
H2S	5
Iron	7
Oxygen	
Manganese	

Physical Properties

Ionic Strength(calc.)	3.44
pH(calc.)	6.25
Temperature(°F)	90
Pressure(psia)	50
Density	9.46

Additional Data

Specific Gravity	1.14
Total Dissolved Solids(Mg/L)	194687
Total Hardness(CaCO3 Eq Mg/	8601

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

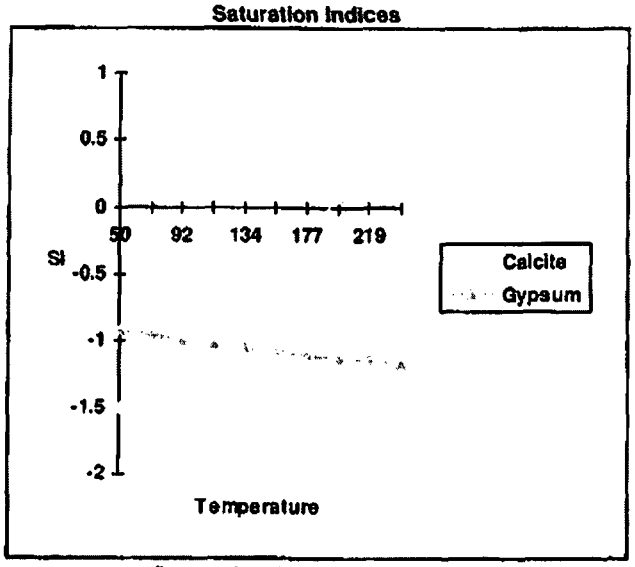
Calculation Method	Value
CO2 in Brine(mg/L)	200

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	-1.12	
Gypsum (Calcium Sulfate)	-0.98	
Hemihydrate (Calcium Sulfate)	-1.02	
Anhydrite (Calcium Sulfate)	-0.92	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	-1.51	-1.31	-1.10	-0.87	-0.65	-0.41	-0.17	0.08	0.34	0.61
Gypsum	-0.92	-0.95	-0.99	-1.02	-1.05	-1.07	-1.10	-1.12	-1.14	-1.16

Lab Tech.:

ITEM VII (4)

Champion Technologies

Water Analysis Report

5/5/2010

Address:

Customer: OXY USA
Attention:
CC: Bone Spring

Lease: Gov S
Formation:
Salesman: Lonnie Byram

Target Name: Gov S 3

Sample Point: Gov S 3

Sample Date: 08/25/2009 Test Date: 08/28/2009

Water Analysis(mg/L)

Calcium	1764
Magnesium	632
Barium	
Strontium	
Sodium(calc.)	50821
Bicarbonate Alkalinity	305
Sulfate	206
Chloride	83000
Resistivity	0.0468

Appended Data(mg/L)

CO2	100
H2S	15
Iron	17
Oxygen	
Manganese	

Physical Properties

Ionic Strength(calc.	2.42
pH(calc.)	6.48
Temperature(°F)	90
Pressure(psia)	50
Density	9.12

Additional Data

Specific Gravity	1.10
Total Dissolved Solids(Mg/L)	136745
Total Hardness(CaCO3 Eq Mg/	7000

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

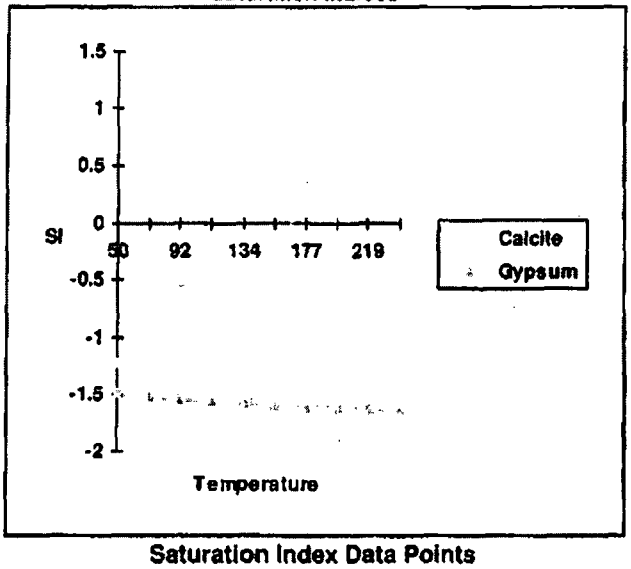
Calculation Method	Value
CO2 In Brine(mg/L)	100

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	-0.84	
Gypsum (Calcium Sulfate)	-1.54	
Hemihydrate (Calcium Sulfate)	-1.57	
Anhydrite (Calcium Sulfate)	-1.58	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	-1.23	-1.03	-0.81	-0.59	-0.37	-0.13	0.11	0.36	0.62	0.89
Gypsum	-1.49	-1.52	-1.54	-1.56	-1.57	-1.59	-1.60	-1.61	-1.62	-1.63

Lab Tech.:

ITEM VII (4)

Champion Technologies

Water Analysis Report

5/5/2010

Address:

Customer: OXY USA
Attention:
CC: Bone Springs

Lease: Gov S
Formation:
Salesman: Lonnie Byram

Target Name: Gov S 7

Sample Point: Gov S 7

Sample Date: 08/25/2009 Test Date: 08/28/2009

Water Analysis(mg/L)

Calcium	1925
Magnesium	729
Barium	
Strontium	
Sodium(calc.)	50430
Bicarbonate Alkalinity	244
Sulfate	206
Chloride	83000
Resistivity	0.0469

Appended Data(mg/L)

CO2	150
H2S	15
Iron	8
Oxygen	
Manganese	

Physical Properties

Ionic Strength(calc.	2.43
pH(calc.)	6.21
Temperature(°F)	90
Pressure(psia)	50
Density	9.12

Additional Data

Specific Gravity	1.09
Total Dissolved Solids(Mg/L)	136542
Total Hardness(CaCO3 Eq Mg/	7800

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

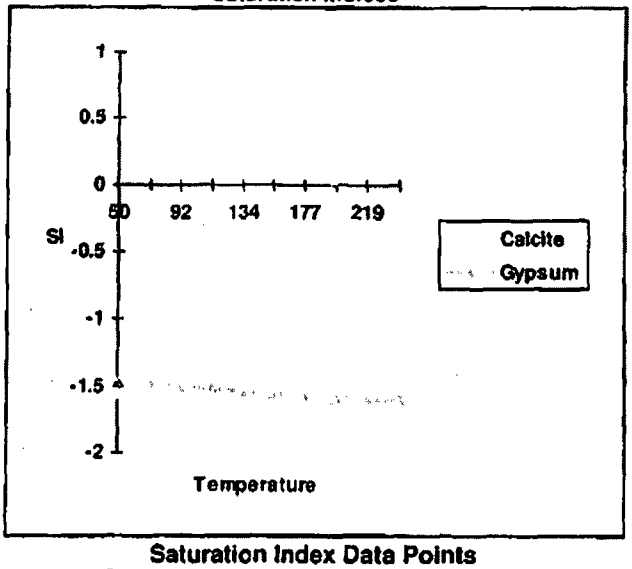
Calculation Method	Value
CO2 in Brine(mg/L)	150

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	-1.17	
Gypsum (Calcium Sulfate)	-1.50	
Hemihydrate (Calcium Sulfate)	-1.54	
Anhydrite (Calcium Sulfate)	-1.55	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	-1.56	-1.36	-1.14	-0.92	-0.70	-0.46	-0.22	0.03	0.29	0.56
Gypsum	-1.46	-1.48	-1.50	-1.52	-1.54	-1.56	-1.57	-1.58	-1.59	-1.60

Lab Tech.:

OXY USA Inc.
Government AB #9
30-015-27964

Item VIII

Geologic Data:

Lithological Detail: Sandstone

Geological name: Bone Spring

Zone thickness: 259'

Depth: 6369'

Depth of Bottom Of Deepest Fresh Water: 60'

Item XII

I 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.

Signature

Alfredo Yaguaracuto
Name

So. Reservoir Engineer
Title

Government AB #9

C-108 - ~~Attachment 9~~ ITEM X

COMPANY: OXY USA INC.

WELL: GOVERNMENT "AB" #9

FIELD: OLD MILLMAN RANCH

COUNTY: EDDY STATE: NEW MEXICO

COUNTY: EDDY
Field: OLD MILLMAN RANCH
Location: 330' FNL & 230' FEL
Well: GOVERNMENT "AB" #9
Company: OXY USA INC.

Schlumberger

COMPENSATED NEUTRON
LITHO-DENSITY
GAMMA RAY

LOCATION

330' FNL & 230' FEL

Elev.: K.B. 3284.5 F
G.L. 3268 F
D.F. 3283.5 F

Permanent Datum: GROUND LEVEL Elev.: 3268 F
Log Measured From: KELLY BUSHING 16.5 F above Perm. Datum
Drilling Measured From: KELLY BUSHING

API Serial No.	SECTION	TOWNSHIP	RANGE
	10	20S	28E

	Run 1	Run 2	Run 3	Run 4
Logging Date	4-JUN-1994			
Run Number	1			
Depth Driller	6725 F			
Schlumberger Depth	6720 F			
Bottom Log Interval	6717 F			
Top Log Interval	360 F			
Casing Driller Size @ Depth	8.625 IN @ 3005 F	@	@	
Casing Schlumberger	3016 F			
Bit Size	7.875 IN			
Type Fluid In Hole	MY-LO-GEL			
MUD Density / Viscosity	9.1 LB/G / 29 S			
MUD Fluid Loss / PH	12.4 C3 / 8.5			
Source Of Sample	SHAKER			
RM @ Measured Temperature	0.109 OHMM @ 78 DEGF	@	@	
RMF @ Measured Temperature	0.095 OHMM @ 78 DEGF	@	@	
RMC @ Measured Temperature	@	@	@	
Source RMF / RMC	MEAS			
RM @ MRT / RMF @ MRT	0.077 @ 113 / 0.067 @ 113	@ / @	@ / @	
Maximum Recorded Temperatures	113 DEGF			
Circulation Stopped / Time	3-JUN-1994 / 20:30			
Logger On Bottom / Time	4-JUN-1994			
Unit Number / Location	3005 / ROSWELL			
Recorded By	MARK LIEBERENZ			
Witnessed By	TOM TINNEY			

	Run 1	Run 2	Run 3	Run 4
Logging Date				
Run Number				
Depth Driller				
Schlumberger Depth				
Bottom Log Interval				
Top Log Interval				
Casing Driller Size @ Depth		@	@	
Casing Schlumberger				
Bit Size				
Type Fluid In Hole				
MUD Density / Viscosity				
MUD Fluid Loss / PH				
Source Of Sample				
RM @ Measured Temperature		@	@	
RMF @ Measured Temperature		@	@	
RMC @ Measured Temperature		@	@	
Source RMF / RMC				
RM @ MRT / RMF @ MRT		@ / @	@ / @	
Maximum Recorded Temperatures				
Circulation Stopped / Time				
Logger On Bottom / Time				
Unit Number / Location				
Recorded By				
Witnessed By				

OTHER SERVICES1
OS1: DLL/MSFL
OS2: LDT/CNL
OS3: CORES
OS4:
OS5:

OTHER SERVICES2
OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1
ALL SCALES AT CLIENT REQUEST
CEMENT VOLUME SHOWN RIGHT SIDE OF DEPTH TRACK.

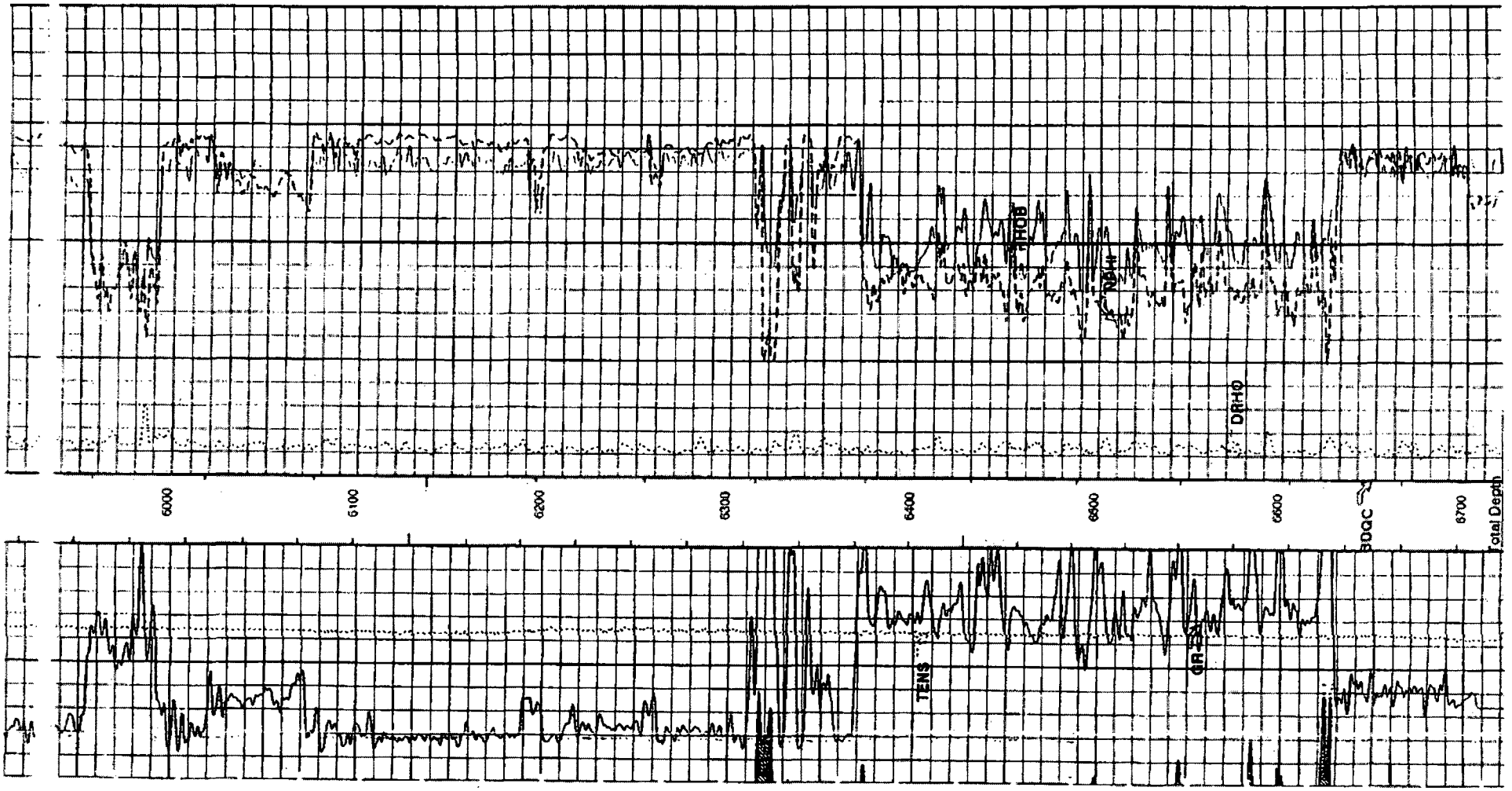
REMARKS: RUN NUMBER 2

RIG: MDC #1

OPERATORS: GOMEZ AND VASQUEZ

THANK YOU FOR CALLING SCHLUMBERGER!

Government #AB#9
Item X Page 2



~~Attachment 5~~ Item XI

Champion Technologies

Water Analysis Report

5/28/2010

Address:

Customer: OXY USA
Attention: Jerry Harrison
CC:

Lease: Gov AB
Formation:
Salesman: Jeromie Pickering

Target Name: Gov AB Fresh Water
Sample Point: Gov AB Fresh Water

Sample Date: 05/12/2010 **Test Date:** 05/24/2010

Water Analysis(mg/L)

Calcium	802
Magnesium	778
Barium	
Strontium	
Sodium(calc.)	2706
Bicarbonate Alkalinity	49
Sulfate	2483
Chloride	6000
Resistivity	0.4993

Appended Data(mg/L)

CO2	0
H2S	17
Iron	0
Oxygen	
Manganese	

Physical Properties

Ionic Strength(calc.	0.30
pH(calc.)	
Temperature(°F)	90
Pressure(psia)	50
Density	8.40

Additional Data

Specific Gravity	1.01
Total Dissolved Solids(Mg/L)	12818
Total Hardness(CaCO3 Eq Mg/	5194

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

Calculation Method	Value
CO2 In Brine(mg/L)	0

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)		
Gypsum (Calcium Sulfate)	-0.50	
Hemihydrate (Calcium Sulfate)	-0.38	
Anhydrite (Calcium Sulfate)	-0.74	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Lab Tech.:

Service List- C-108 Application
OXY USA Inc.
Government AB #9
Sec. 10 T20S R28E
Eddy County, New Mexico

STATE OF NEW MEXICO
ENERGY & MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DRIVE
SANTA FE, NM 87505

STATE OF NEW MEXICO
ENERGY & MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
1301 W. GRAND AVENUE
ARTESIA, NM 88210

SURFACE OWNER:

UNITED STATE DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
620 E. GREENE ST.
CARLSBAD, NM 88220

GRAZING LEASE:

MASO O MENOS LIVESTOCK LLC
P.O. BOX 831
ARTESIA, NM 88281

OFFSET OPERATORS:

OXY USA INC.
P.O. BOX 4294
HOUSTON, TX 77210-4294

HOLLAND&HART LLP

Adam G. Rankin
agrankin@hollandhart.com

December 20, 2011

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: AFFECTED PARTIES

Re: Application of OXY USA, Inc. for authorization to conduct a pressure maintenance project in the Old Millman Ranch Bone Spring Pool through its Government AB No. 9 well, Eddy County, New Mexico.

Ladies and Gentlemen:

This letter is to advise you that OXY USA, Inc. ("OXY") has filed the enclosed application with the New Mexico Oil Conservation Division seeking authority to implement a pressure maintenance project in the Old Millman Ranch Bone Spring Pool through its Government AB No. 9 well, with a surface location 330 feet from the North line and 230 feet from the East line of Section 10, Township 20 South, Range 28 East, NMPM, Eddy County, New Mexico. Said well is located approximately 11 miles northeast of Carlsbad, New Mexico. A copy of this application with attached Oil Conservation Division Form C-108 is enclosed for your information.

This application has been set for hearing before a Division Examiner at 8:15 a.m. on January 19, 2012. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 1208.B to file a Pre-hearing Statement four days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

Sincerely,

Adam G. Rankin
Attorney for OXY