

Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

Energy, Minerals and Natural Resources

Revised July 18, 2013

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

WELL API NO.

3004509684

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

WESTON FEDERAL

8. Well Number

2

9. OGRID Number

185239

10. Pool name or Wildcat

HOBBS SHALES WILDCAT

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

ENORGYNE LLC

3. Address of Operator

12312 PIKE SE, ALBUQUERQUE NM 87123

4. Well Location

Unit Letter I : 2310 feet from the EAST line and 1650 feet from the SOUTH line
 Section 11 Township 30N Range 16W NMPM County SAN JUAN

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

5441' CD

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 ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SEE ATTACHED

Spud Date:

Rig Release Date:

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

SIGNATURE

TITLE

DATE

Type or print name

For State Use Only

E-mail address:

PHONE:

APPROVED BY:

TITLE

DATE

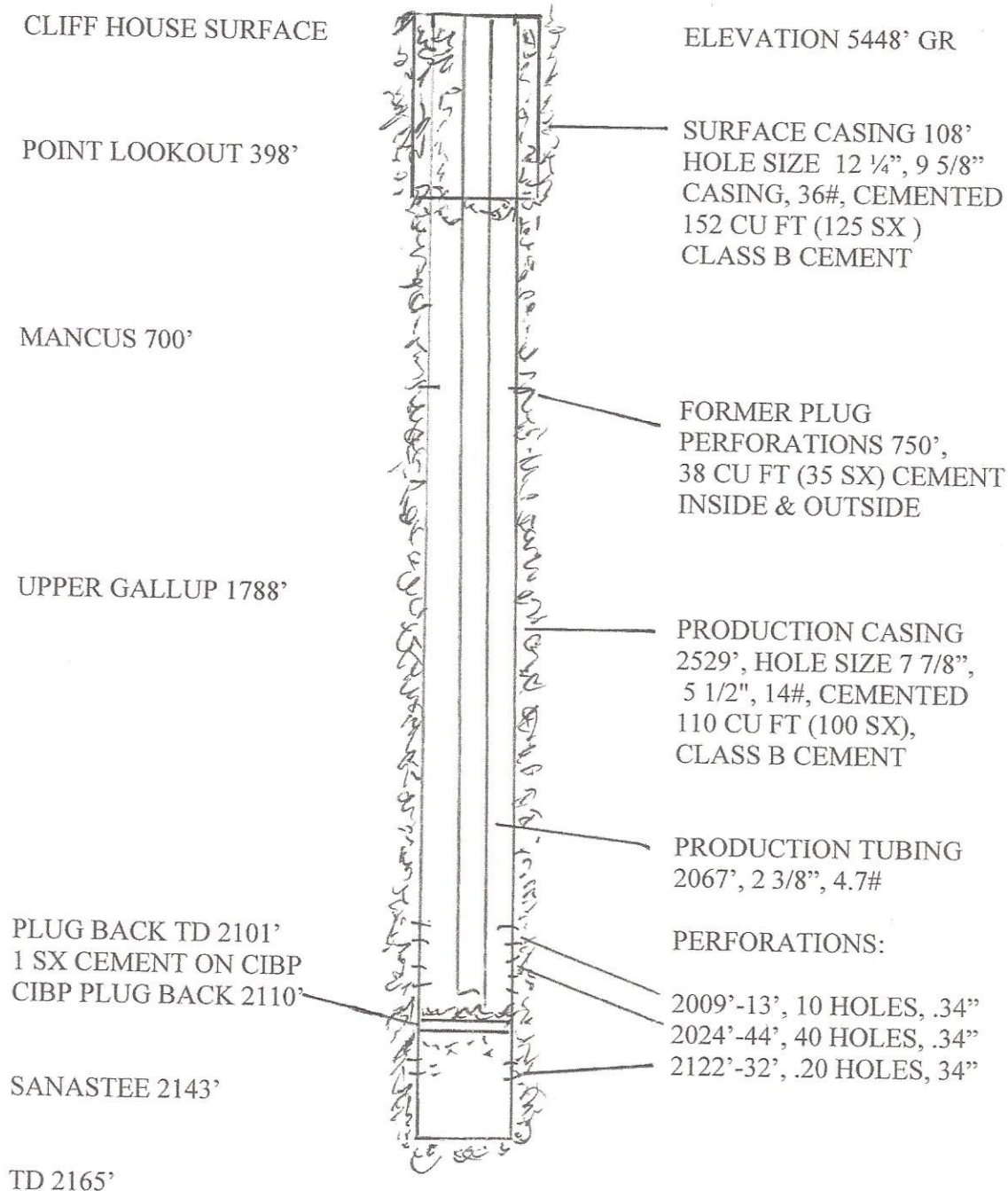
Conditions of Approval (if any):

WESTERN FEDERAL 2 RE-ENTRY WELLBORE DIAGRAM
FORMERLY N.E. HOGBACK UNIT # 42 INJECTION WELL

30-045-09684

2310' FEL AND 1650' FSL

J, SEC. 11, T30N, R16W



WESTERN FEDERAL 2 WELLBORE PLUGGING PLAN

30-045-09684

2310' FEL AND 1650' FSL

J, SEC. 11, T30N, R16W

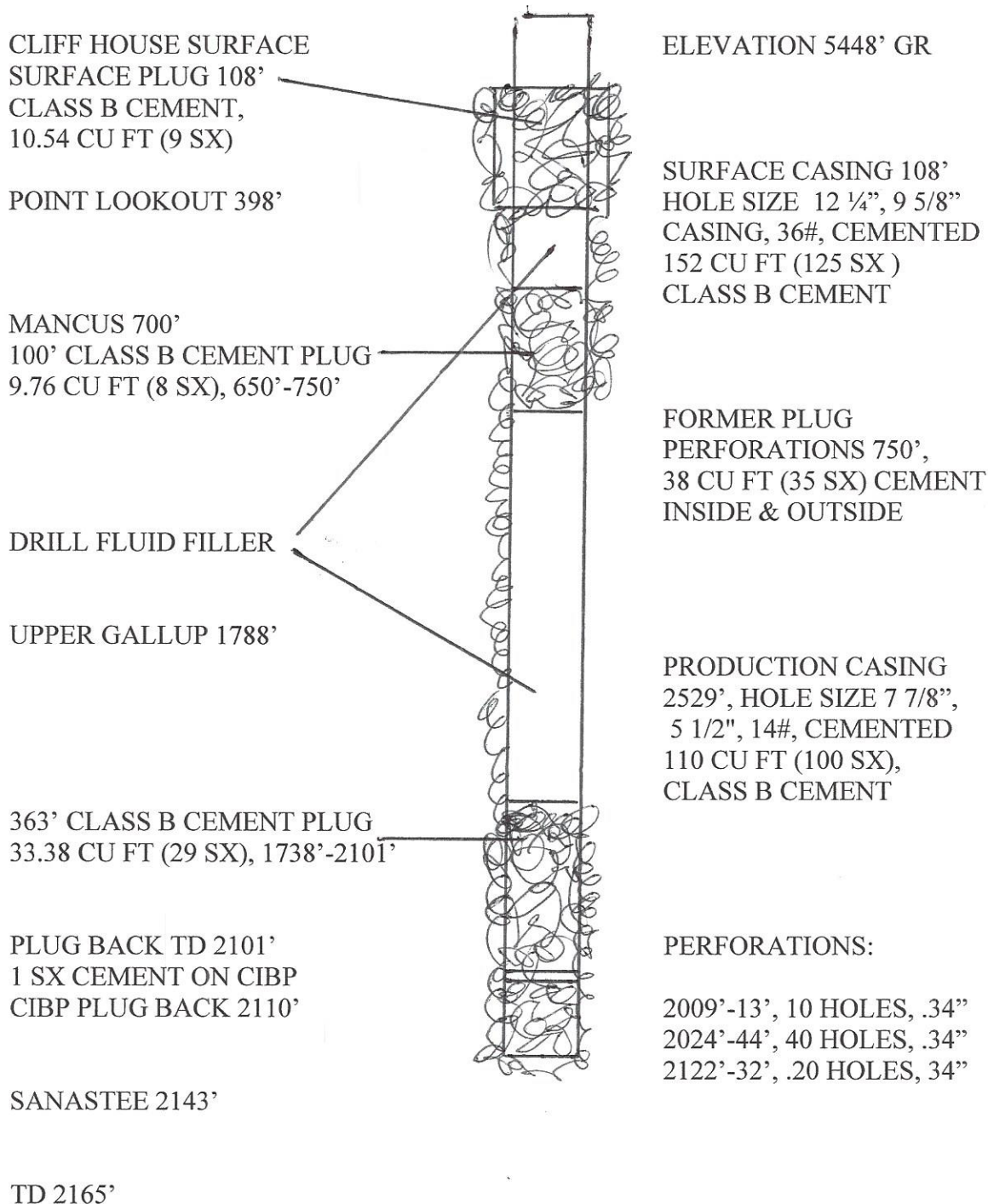
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7-31-2023 REMOVE REMAING PRODUCTION EQUIPMENT AND CLEAN LOCATION. RESEED WHERE NECESSARY.

WESTERN FEDERAL 2 PLUGGING PLAN
 FORMERLY N.E. HOGBACK UNIT # 42 INJECTION WELL
 30-045-09684
 2310' FEL AND 1650' FSL
 J, SEC. 11, T30N, R16W



WESTERN FEDERAL 2 LOCATION DIAGRM

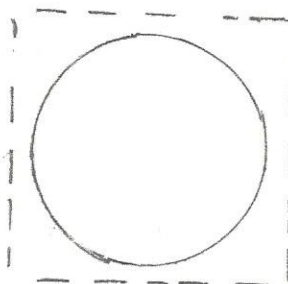
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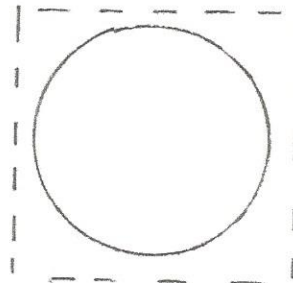
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N
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FENCED 400 BBL PRODUCTION TANK



FENCED 80 BBL WATER TANK



FENCED PUMP JACK AND WELLHEAD



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PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

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SEE ATTACHED

Spud Date:

Rig Release Date:

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

SIGNATURE

TITLE

DATE

Type or print name

For State Use Only

E-mail address:

PHONE:

APPROVED BY:

TITLE

DATE

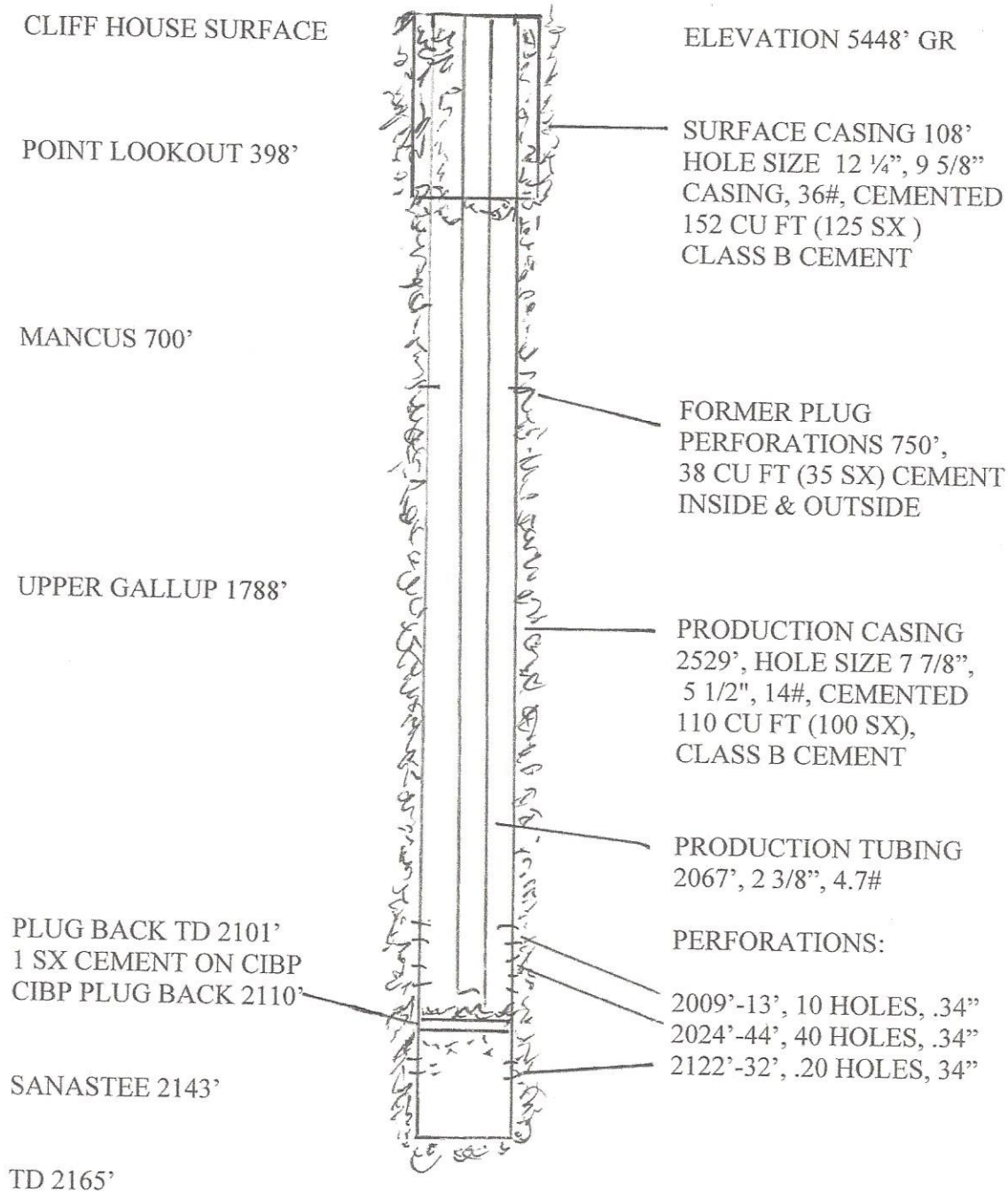
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FORMERLY N.E. HOGBACK UNIT # 42 INJECTION WELL

30-045-09684

2310' FEL AND 1650' FSL

J, SEC. 11, T30N, R16W



WESTERN FEDERAL 2 WELLBORE PLUGGING PLAN

30-045-09684

2310' FEL AND 1650' FSL

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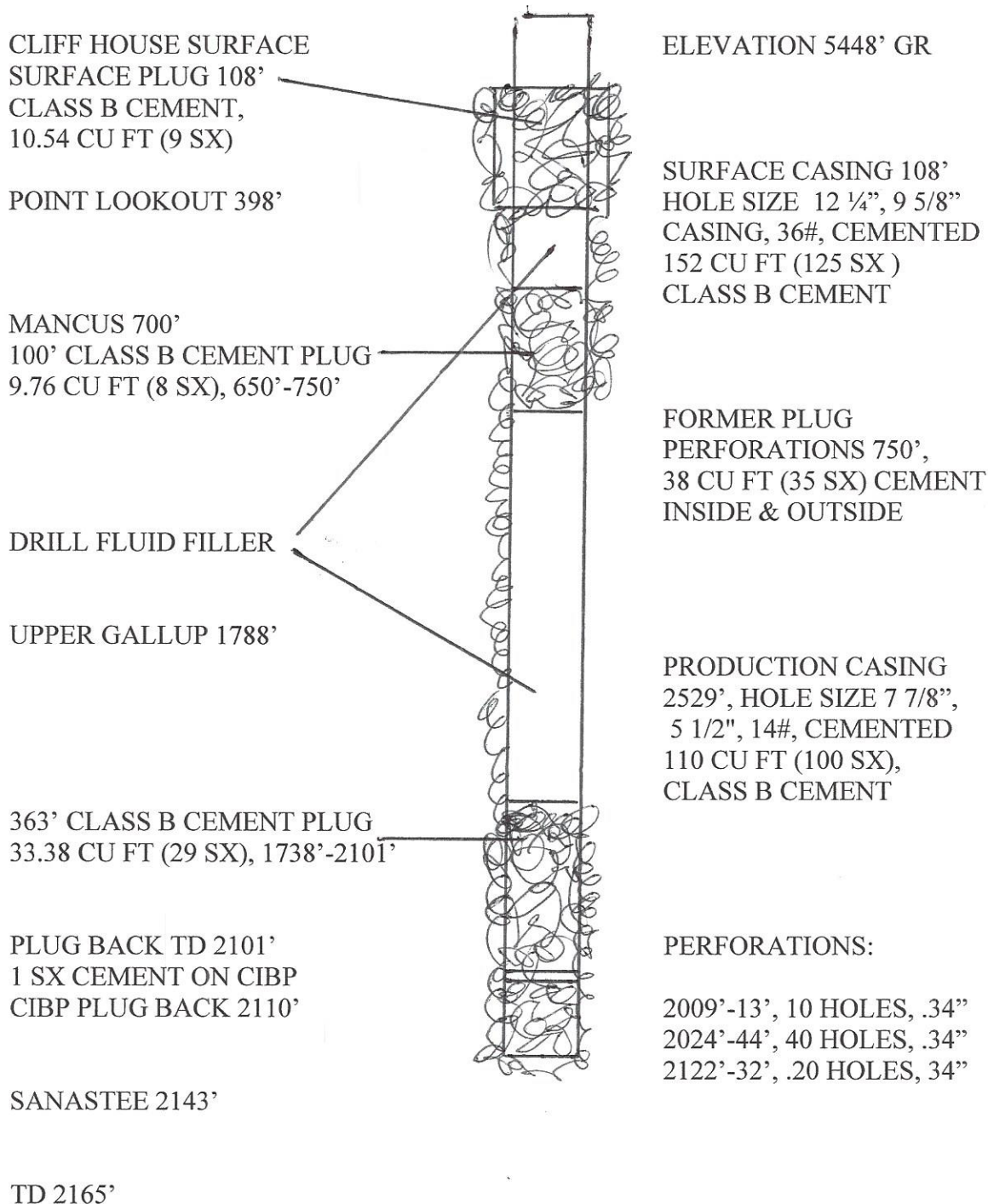
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 30-045-09684
 2310' FEL AND 1650' FSL
 J, SEC. 11, T30N, R16W



WESTERN FEDERAL 2 LOCATION DIAGRM

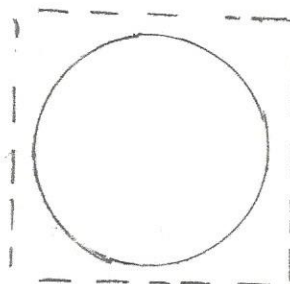
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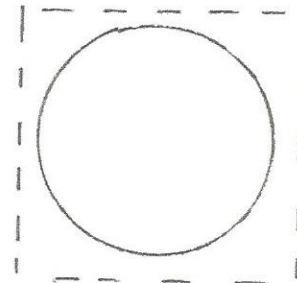
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1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <u>ENORDYNE LLC</u>		6. State Oil & Gas Lease No.
3. Address of Operator <u>12312 PIKE SE, ALBUQUERQUE NM 87123</u>		7. Lease Name or Unit Agreement Name <u>WESTON FEDERAL</u>
4. Well Location Unit Letter <u>I</u> : <u>2310</u> feet from the <u>EAST</u> line and <u>1650</u> feet from the <u>SOUTH</u> line Section <u>11</u> Township <u>30N</u> Range <u>16W</u> NMPM County <u>SAN JUAN</u>		8. Well Number <u>2</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>5441' CD</u>		9. OGRID Number <u>185239</u>
		10. Pool name or Wildcat <u>HORSESHOE CANYON</u>

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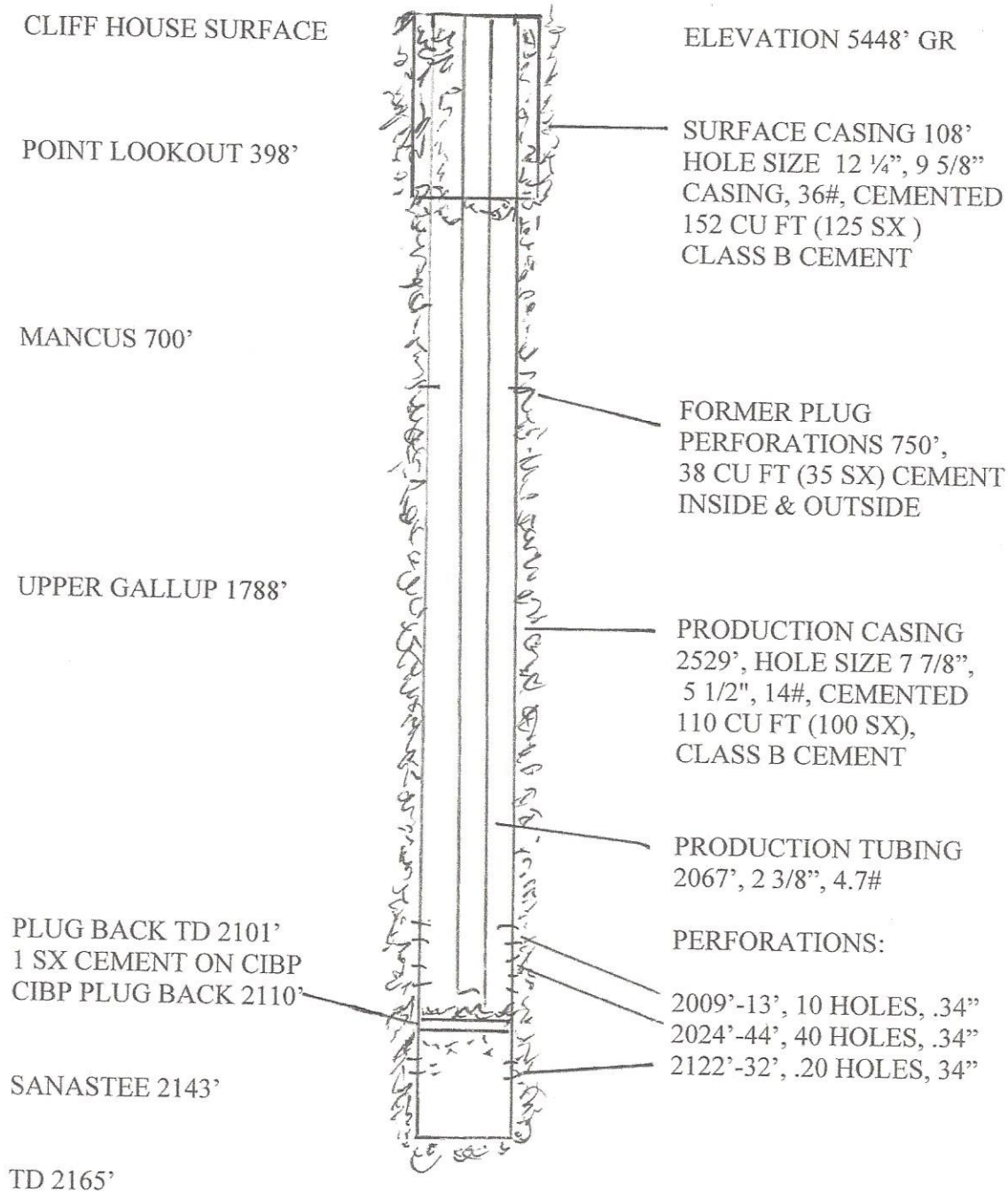
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FORMERLY N.E. HOGBACK UNIT # 42 INJECTION WELL

30-045-09684

2310' FEL AND 1650' FSL

J, SEC. 11, T30N, R16W



WESTERN FEDERAL 2 WELLBORE PLUGGING PLAN

30-045-09684

2310' FEL AND 1650' FSL

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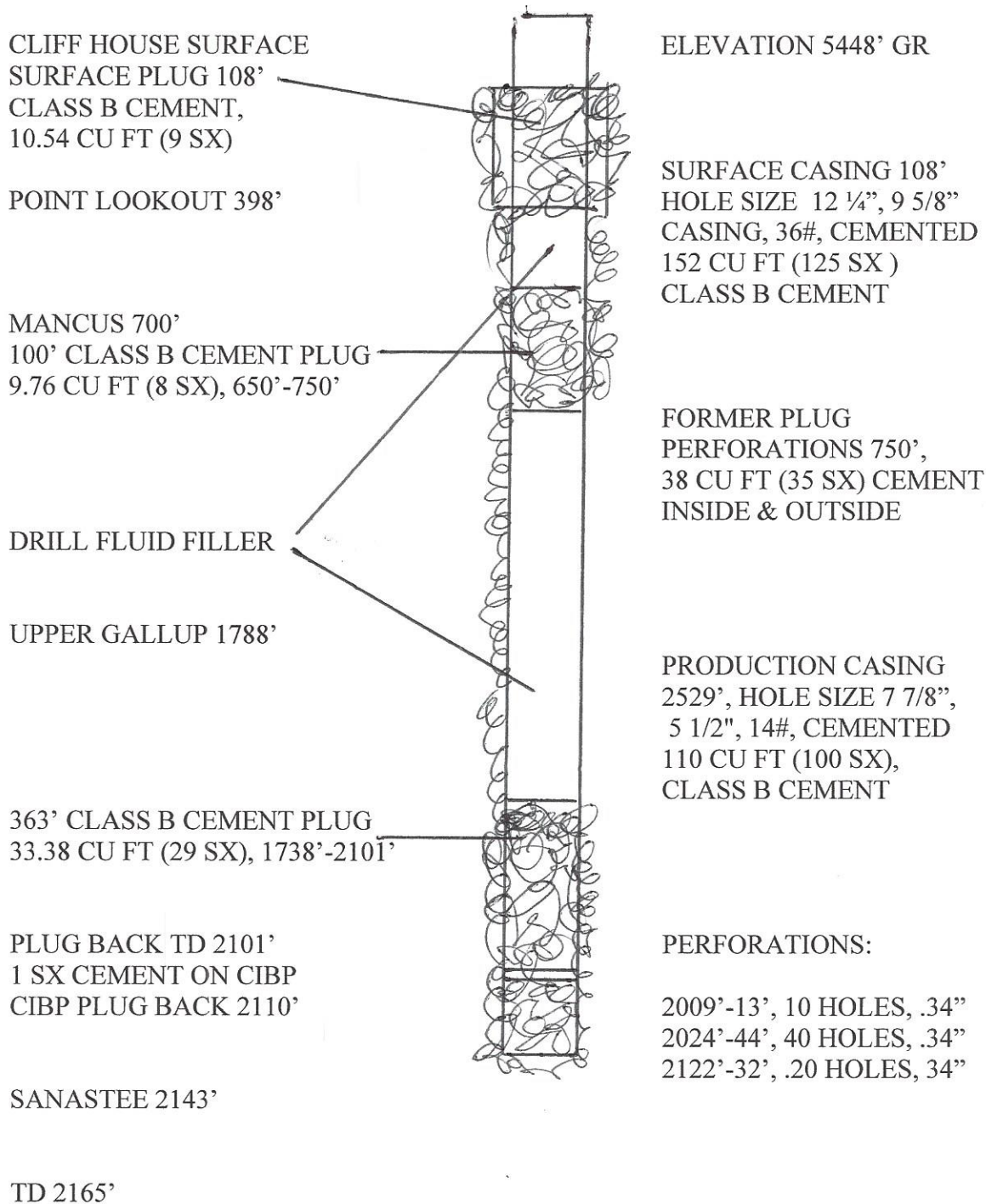
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WESTERN FEDERAL 2 LOCATION DIAGRM

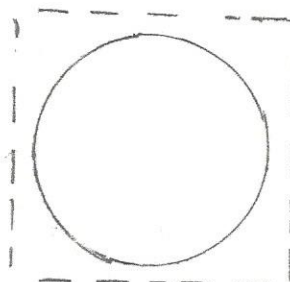
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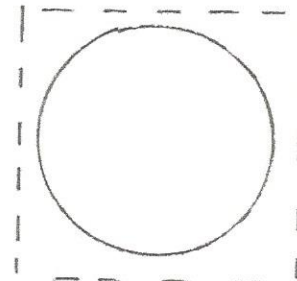
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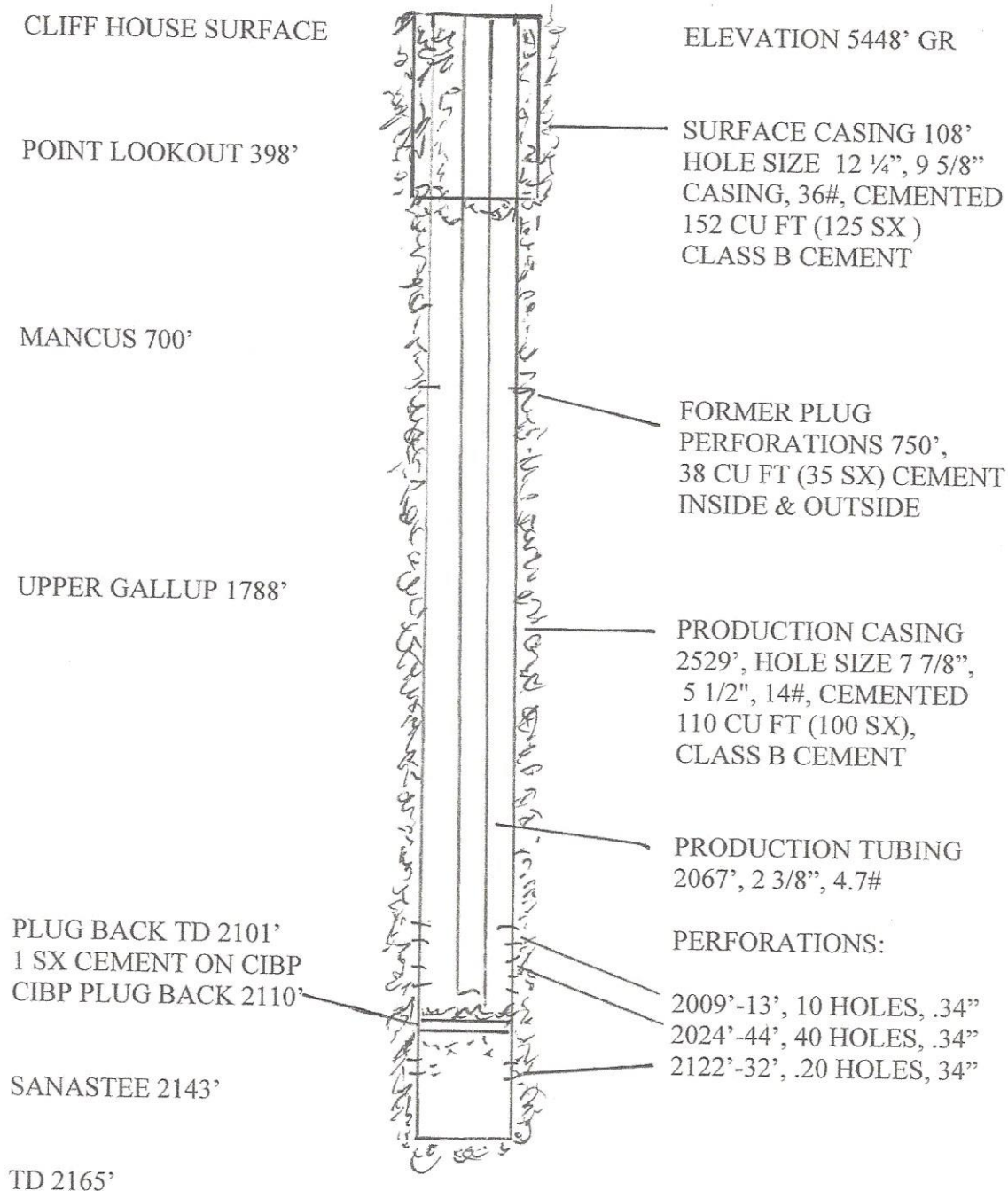
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WESTERN FEDERAL 2 WELLBORE PLUGGING PLAN

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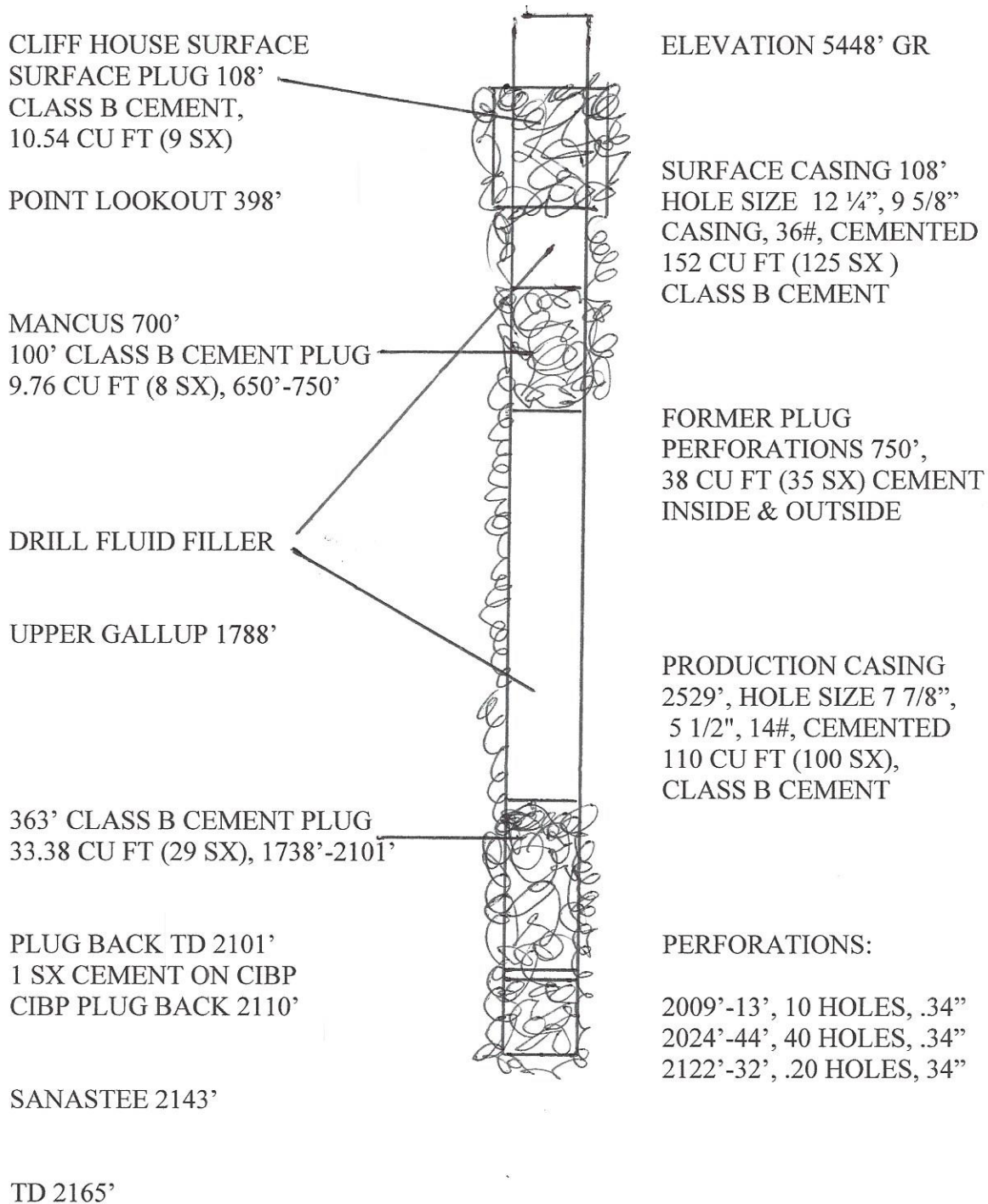
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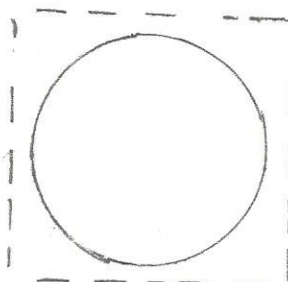
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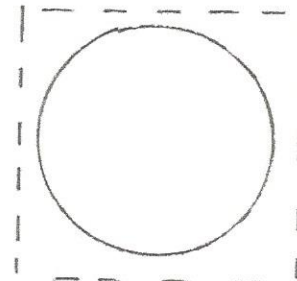
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FENCED 80 BBL WATER TANK



FENCED PUMP JACK AND WELLHEAD





U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

07/12/2023

Well Name: WESTERN FEDERAL	Well Location: T30N / R16W / SEC 11 / NWSE / 36.82576 / -108.49251	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM58917	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004509684	Well Status: Oil Well Shut In	Operator: CHUZA OIL CO INCORPORATED

Notice of Intent

Sundry ID: 2740556

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/12/2023

Time Sundry Submitted: 11:28

Date proposed operation will begin: 07/27/2023

Procedure Description: See attached, Enerdyne LLC is submitting the NOI to Plug and Abandon as a Previous Record Title Owner of Lease NMNM58917. P&A OPERATIONS SHALL COMMENCE ON JULY 27, 2023. SEE ATTACHED FOR LOCATION DIAGRAM, WELLBORE DIAGRAM, PLUGGING PROCEDURE, AND FINAL LOCATION PLAN.

Surface Disturbance

Is any additional surface disturbance proposed?: No

Oral Submission

Oral Notification Date: Jun 22, 2023

Oral Notification Time: 12:00 AM

Contacted By: Don Hanosh

Contact's Email: dhanosh426@gmail.com

Comments: Submitted paper copy through mail because Enerdyne LLC is not the operator of record within AFMSS 2. Enerdyne LLC is a previous record title owner on the lease.

NOI Attachments

Procedure Description

Western_Federal_2_P_A_NOI_20230712112829.pdf

Well Name: WESTERN FEDERAL	Well Location: T30N / R16W / SEC 11 / NWSE / 36.82576 / -108.49251	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM58917	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004509684	Well Status: Oil Well Shut In	Operator: CHUZA OIL CO INCORPORATED

Conditions of Approval

Specialist Review

NOI_PnA_Western_Federal_2_3004509684_MHK_07062023_20230712113659.pdf
General_Requirement_PxA_20230712113650.pdf
PxA_30N16W11JKg_Western_Federal_002_20230712113622.pdf

BLM Point of Contact

BLM POC Name: MATTHEW H KADE	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647736	BLM POC Email Address: MKADE@BLM.GOV
Disposition: Approved	Disposition Date: 07/12/2023
Signature: Matthew Kade	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Received

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

JUN 22 2023

5. Lease Serial No. NMNM 058917

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **ENERDYNE LLC**

3a. Address **12812 PIRU SE
ALBUQUERQUE, NM 87123**

3b. Phone No. (include area code)
(505) 414-8548

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **WESTERN FEDERAL 2**

9. API Well No. **3004509684**

10. Field and Pool or Exploratory Area
HORSESHOE GALLUP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1650' FSL AND 2310' FEL, SEC. 11, T30N, R16W

11. Country or Parish, State
SAN JUAN CO.

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Hydraulic Fracturing

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

P & A OPERATIONS SHALL COMMENCE ON JULY 27, 2023.

SEE ATTACHED FOR LOCATION DIAGRAM, WELLBORE DIAGRAM, PLUGGING PROCEDURE, AND FINAL LOCATION PLAN.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

DON L. HANOSH

MANAGING MEMBER

Title

Signature

Date

06/13/2023

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

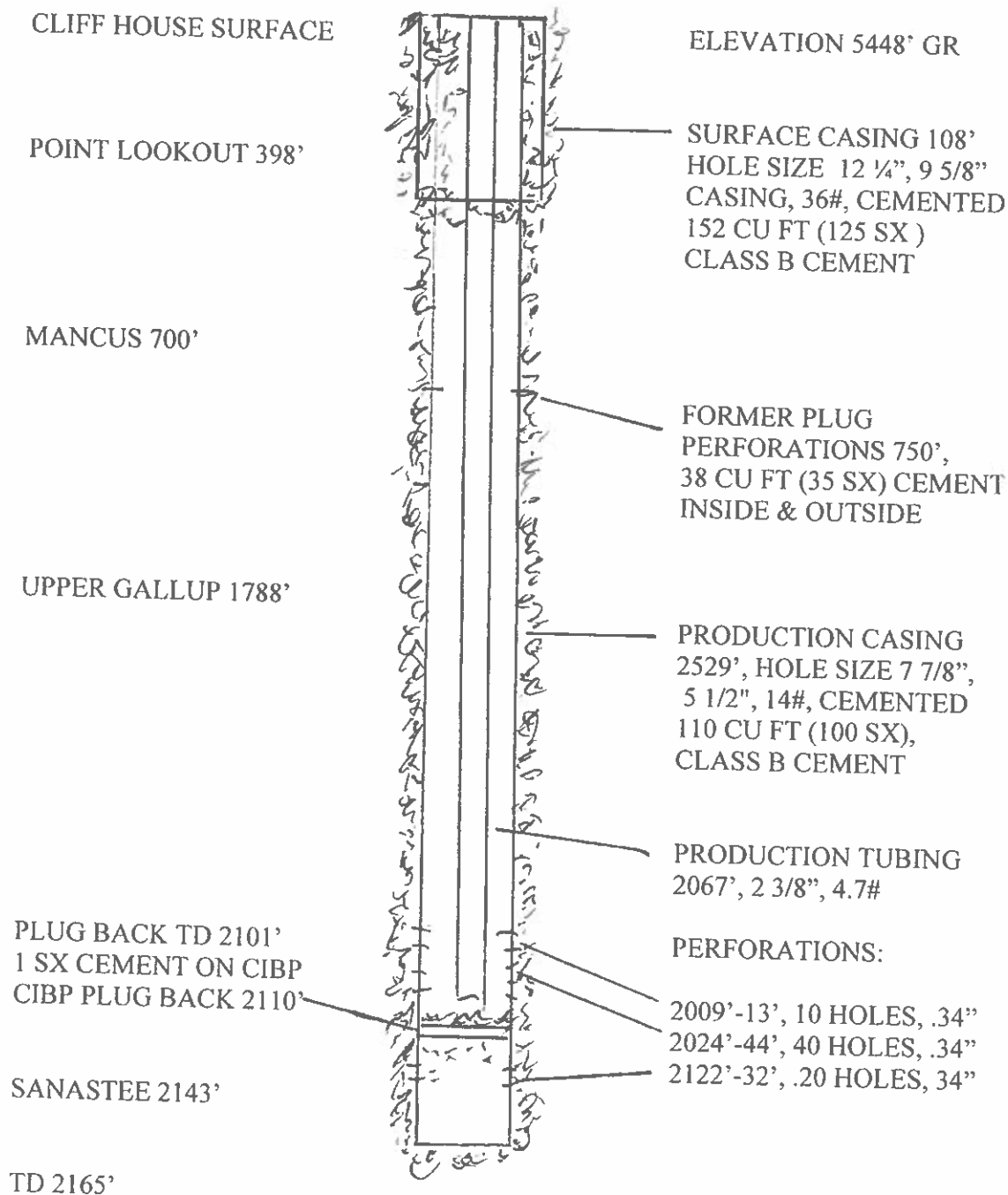
(Instructions on page 2)

WESTERN FEDERAL 2 RE-ENTRY WELLBORE DIAGRAM
FORMERLY N.E. HOGBACK UNIT # 42 INJECTION WELL

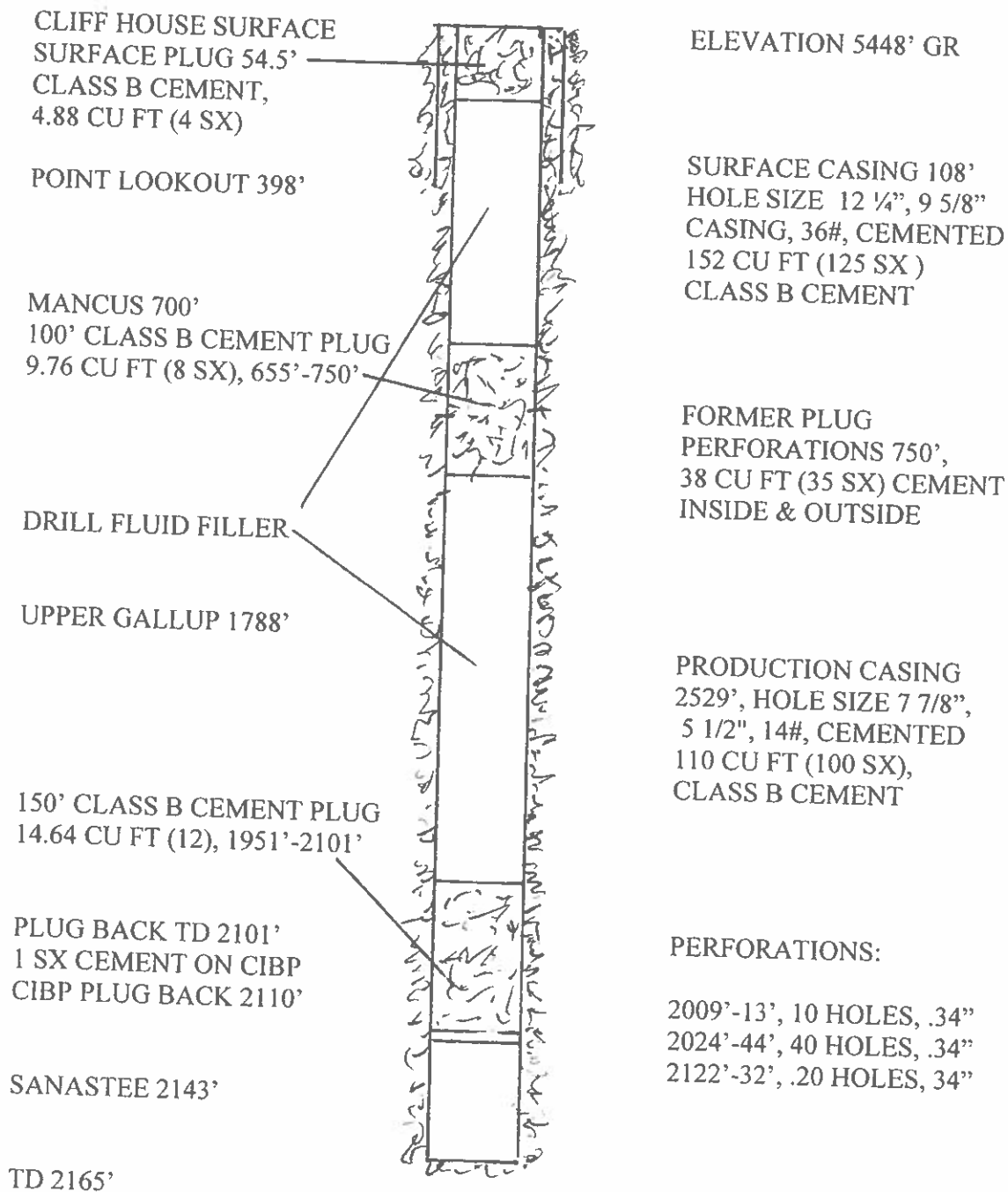
30-045-09684

2310' FEL AND 1650' FSL

J, SEC. 11, T30N, R16W



WESTERN FEDERAL 2 PLUGGING PLAN
 FORMERLY N.E. HOGBACK UNIT # 42 INJECTION WELL
 30-045-09684
 2310' FEL AND 1650' FSL
 J, SEC. 11, T30N, R16W



WESTERN FEDERAL 2 WELLBORE PLUGGING PLAN

30-045-09684

2310' FEL AND 1650' FSL

J, SEC. 11, T30N, R16W

7-28-2023 REMOVE PUMP JACK AND PULL RODS. CIRCULATE WELLBORE WITH DRILLING FLUID AND DISPLACE ALL FREE OIL INTO PRODUCTION TANK. PULL TUBING.

7-29-2023 RUN CEMENTING STRING INTO WELLBORE AND PLACE 150' CLASS B CEMENT PLUG, 14.62 CU FT (12SX) FROM TD TO 1951'. PULL UP CEMENTING STRING TO 750' AND PLACE 100' CLASS B CEMENT PLUG, 9.76 CU FT (8 SX), FROM 750' TO 650'. PULL CEMENTING STRING UP TO 55' AND FILL WELLBORE TO SURFACE WITH 4.88 CU FT (4 SX) CLASS B CEMENT.

7-30-23 PLACE DRY HOLE MARKER AND REMOVE ALL REMAINING FLUID IN TANKS .

7-31-2023 REMOVE REMAING PRODUCTION EQUIPMENT AND CLEAN LOCATION. RESEED WHERE NECESSARY.

Form 9-331
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved
Budget Bureau No. 42-R1424

3. LEASE DESIGNATION AND SERIAL NO.

SF 081299

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Northeast Hogback Unit

8. FARM OR LEASE NAME

9. WELL NO.

42

10. FIELD AND POOL, OR WILDCAT

Horseshoe Gallup

11. SEC., T., R., M., OR BLK. AND

SUNSET OR AREA

SE/4 Section 11,

T-30-N, R-16-W

12. COUNTY OR PARISH

San Juan

13. STATE
New Mexico

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—" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1650' FSL & 2310' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

GL 5441', RDB 5448'

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Set 30-sack cement plug into and across casing perforations. Perforated 2 holes at 750', set 35-sack cement plug in and outside of casing. Cement displaced to 650' inside casing. Set 10-sack cement plug at surface with dry hole marker. No casing pulled from well. Job completed 3-3-70.



RECEIVED

MAR 23 1970

18. I hereby certify that the foregoing is true and correct

SIGNED

G. W. Eaton, Jr.

TITLE

Area Engineer

DATE

March 19, 1970

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY.

TITLE

DATE

*See Instructions on Reverse Side

Form 1004-0132
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Expires August 31, 1985

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—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

NM 58917

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Western Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Horsehoe Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

SEC 11, T30N, R16W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Western International Petroleum

3. ADDRESS OF OPERATOR

P.O. Drawer 3307 - Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. Set also space 17 below.)

At surface

1650' FSL & 2310' FEL

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO.

15. ELEVATIONS (SURFACE OR BLK. OR 22')

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANT

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) ReEntry

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROMISED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

7-09-85 MIRU workover rig.

7-10 & Removed dry hole marker. Nippled up new well head and blow out prevention
7-11-85 equipment.

Drilled Plugs

0' - 8'

Washing

685' - 790'

Drill Cement

1565' - 1800'

1800' - 2165' PBTD.

AUG 13 1985

OIL CON. DIV.

7-12 & Perforated 2 S.P.F. 2122' - 32'. Set packer on 2 3/8" tubing at 2095'.

7-13-85 Acidized with 500 gallons of 15% HCL acid. Swab tested 25% oil & 75% water. Set retrievable bridge plug at 2080'.

7-14 & Perforated 2 S.P.F. 2009' - 13' and 2024' - 44'. Ran tubing with packer and
7-15-85 set at 2000'. Acidized with 15 BBLS of 15% HCL acid. Swab tested 90-100% oil. Pulled retrievable bridge plug at 2080'.

7-16-85 Set C.I.B.P. at 2110'. Dumped 1 sk of cement on top of C.I.B.P. - PBTD 2101'. Ran tubing, and rods and pump. Released workover rig.

18. I hereby certify that the foregoing is true and correct

SIGNED

Mike Hicks

TITLE Agent/Western International

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE AUG 09 1985

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WESTERN FEDERAL 2 LOCATION DIAGRM

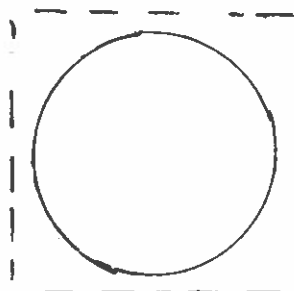
30-045-09684

2310' FEL AND 1650' FSL

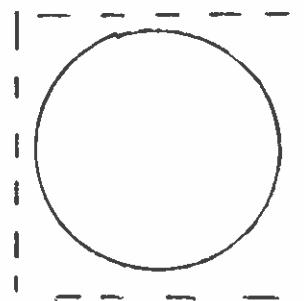
J, SEC. 11, T30N, R16W

N
N

FENCED 400 BBL PRODUCTION TANK



FENCED 80 BBL WATER TANK



FENCED PUMP JACK AND WELLHEAD



BLM FFO Fluid Minerals P&A Geologic Report

AFMSS ID: 2740556

Date Completed: 7/6/2023

Well No.	Western Federal #002	SHL	1650	FSL	2310	FEL
API No.	3004509684			Sec. 11	T30N	R16W
Lease No.	NMNM58917	BHL	Same			
Operator	Chuzo Oil Co Incorporated					
Elev. (KB)	5447	County	San Juan	State	NM	
Total Depth	2165	PBTD	2101	Formation	Gallup	

Formation Top	TVD (ft KB)	Remarks
San Jose Fm.		
Nacimiento Fm.		
Ojo Alamo Ss		
Kirtland Fm.		
Fruitland Fm.		
Pictured Cliffs Ss		
Lewis Shale		
Chacra		
Cliff House Ss		
Menefee Fm.	Surface	Coal/possible gas/freshwater sands
Point Lookout Fm.	389	Possible gas/water
Mancos Shale	700	Oil & gas
Gallup	1788	Oil & gas
Greenhorn Ls		
Graneros Shale		
Dakota Ss		
Morrison Fm.		

Remarks:

- Enerdyne LLC is plugging this well as record title owner of the lease.
- Gallup perfs 2009' - 2132'.
- Adjust Plug #1 (Gallup) to cover perfs and Gallup formation top @ 1788'.
- Adjust Plug #3 (Surface) to cover the surface casing shoe @ 108'.

Reference Well:

1) Formation Tops
Same

Prepared by: Chris Wenman

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2740556 (Mailed In)

Attachment to Notice of Intention to Plug and Abandon

Well: Western Federal 2 (API#30-045-09684)

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modification to your plugging program is made:
 - a. Pressure Test Casing to a minimum of 500 psi for 15-minute period. If pressure loss more than 10 percent, then plugs must be tagged.
 - b. Adjust Plug #1 (Gallup) to cover perforations and Gallup formation top @ 1788'. Estimated minimum 43 Sx Class B Cement (1738' – 2101')
 - c. Adjust Plug #2 (Mancos). Estimated minimum of 18 Sx Class B Cement (600' – 750')
 - d. Adjust Plug #3 (Surface) to cover the Surface Casing shoe @ 108'. Estimated minimum 19 Sx Class B Cement (Surface – 158')
3. **NOTIFICATION:** Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.
4. **Deadline of Completion of Operations:** Complete the plugging operation within ninety (90) days from the approval date of the Notice of Intent to Plug and Abandon. If unable to meet deadline, notify the Bureau of Land Management's Farmington Field Office prior to the deadline via Sundry Notice (Form 3160-5) Notice of Intent detailing the reason for the delay and the date the well is to be plugged.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

M. Kade (mkade@blm.gov/505-564-7736) 7/10/2023

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d) and 43 CFR 3172.12(a)(10). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 240604

CONDITIONS

Operator: ENERDYNE, LLC 12812 PIRU S.E. Albuquerque, NM 87123	OGRID: 185239
	Action Number: 240604
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 7/17/23. BLM approved P&A 7/12/23	7/17/2023