

OCD Hobbs

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JUL 19 2018
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMMN086144
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CHISHOLM ENERGY OPERATING LLC (372137)		7. If Unit or CA Agreement, Name and No.
3a. Address 801 Cherry St., Suite 1200 Unit 20 Fort Worth	3b. Phone No. (include area code) (817)469-1104	8. Lease Name and Well No. (322153) DIAMONDBACK 24-25 FED COM 3H
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface LOT A / 125 FNL / 630 FEL / LAT 32.6527119 / LONG -103.7132074 At proposed prod. zone LOT P / 330 FNL / 430 FEL / LAT 32.6249168 / LONG -103.7125156		9. API Well No. 30-025-44007
11. Sec., T. R. M. or Blk. and Survey or Area SEC 24 / T19S / R32E / NMP		10. Field and Pool, or Exploratory LUSK TONTO BONE SPRING, EAST (41442)
12. Distance in miles and direction from nearest town or post office* 12.2 miles		11. Sec., T. R. M. or Blk. and Survey or Area SEC 24 / T19S / R32E / NMP
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 125 feet	16. No. of acres in lease 160	17. Spacing Unit dedicated to this well 320
18. Distance from proposed location* to nearest well, drilling, completed, 60 feet applied for, on this lease, ft.	19. Proposed Depth 9894 feet / 19836 feet	20. BLM/BIA Bond No. on file FED: NMB001468
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3619 feet	22. Approximate date work will start* 07/10/2018	23. Estimated duration 30 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature (Electronic Submission)	Name (Printed/Typed) Jennifer Elrod / Ph: (817)953-3728	Date 12/05/2017
Title Senior Regulatory Technician		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 07/02/2018
Title Supervisor Multiple Resources CARLSBAD		

Application approval 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.
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

GCP Rec 07/19/18

APPROVED WITH CONDITIONS
Approval Date: 07/02/2018

*(Instructions on page 2)

K2
07/20/18

Double
checked

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

1. SHL: LOT A / 125 FNL / 630 FEL / TWSP: 19S / RANGE: 32E / SECTION: 24 / LAT: 32.6527119 / LONG: -103.7132074 (TVD: 0 feet, MD: 0 feet)
PPP: LOT P / 1320 FSL / 415 FEL / TWSP: 19S / RANGE: 32E / SECTION: 24 / LAT: 32.642151 / LONG: -103.712542 (TVD: 8973 feet, MD: 13731 feet)
PPP: LOT A / 430 FNL / 430 FEL / TWSP: 19S / RANGE: 32E / SECTION: 24 / LAT: 32.6518727 / LONG: -103.7125566 (TVD: 9894 feet, MD: 10201 feet)
BHL: LOT P / 330 FNL / 430 FEL / TWSP: 19S / RANGE: 32E / SECTION: 25 / LAT: 32.6249168 / LONG: -103.7125156 (TVD: 9894 feet, MD: 19836 feet)

BLM Point of Contact

Name: Tenille Ortiz

Title: Legal Instruments Examiner

Phone: 5752342224

Email: tortiz@blm.gov

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

Approval Date: 07/02/2018

(Form 3160-3, page 4)



APD ID: 10400023642

Submission Date: 12/05/2017

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Well Type: OIL WELL

Well Work Type: Drill



Show Final Text

Section 1 - General

APD ID: 10400023642

Tie to previous NOS?

Submission Date: 12/05/2017

BLM Office: CARLSBAD

User: Jennifer Elrod

Title: Senior Regulatory Technician

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM086144

Lease Acres: 160

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? NO

Permitting Agent? NO

APD Operator: CHISHOLM ENERGY OPERATING LLC

Operator letter of designation:

Operator Info

Operator Organization Name: CHISHOLM ENERGY OPERATING LLC

Operator Address: 801 Cherry St., Suite 1200 Unit 20

Zip: 76102

Operator PO Box:

Operator City: Fort Worth

State: TX

Operator Phone: (817)469-1104

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO

Mater Development Plan name:

Well in Master SUPO? EXISTING

Master SUPO name: JE

Well in Master Drilling Plan? EXISTING

Master Drilling Plan name: DIAMNONDBACK 24-25 BS

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: TONTO

Pool Name: BONE SPRING

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL



Bureau of Land Management
Application for Permit to Drill (APD) Fee

Payment ID
266D41C

Company Information

* Company: CHISHOLM ENERGY OPERATING, LLC

* Address: 801 CHERRY ST., SUITE 1200 UNIT-20

* City: FORT WORTH * State: Texas * Postal Code: 76102

* Country: United States

Well Information

(Note: 24,999.99 is the maximum amount that may be charged to an individual credit card per day)

	BLM Office:	APD ID:	Lease Number:	Well Name:	Well Number:	Amount:
#1)	Carlsbad, NM	10400023642	NMNM86144	Diamondback 24-25 Fed 2BS	3H	\$9,790.00
#2)	Carlsbad, NM	10400023579	NMNM86144	Diamondback 24-25 Fed 2BS	2H	\$9,790.00
#3)	Carlsbad, NM	10400023405	NMNM86144	Diamondback 24-25 Fed 2BS	1H	\$9,790.00
#4)						\$9,790.00
#5)						\$9,790.00
#6)						\$9,790.00
#7)						\$9,790.00
#8)						\$9,790.00
#9)						\$9,790.00
#10)						\$9,790.00
#11)						\$9,790.00
#12)						\$9,790.00
#13)						\$9,790.00
#14)						\$9,790.00
#15)						\$9,790.00

Total Payment Amount \$29,370.00

AMG

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Describe other minerals:

Is the proposed well in a Helium production area? N

Use Existing Well Pad? NO

New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name:

Number: 1H, 2H, 3H

DIAMONDBACK PAD 1

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 12.2 Miles

Distance to nearest well: 60 FT

Distance to lease line: 125 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: Diamondback_24_25_Fed_2BS_1H_REV_APD_C102_05172018_20180518131804.pdf

Well work start Date: 07/10/2018

Duration: 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 5588

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	125	FNL	650	FEL	108	02E	24	Lot A	32.05271 19	108.7182 074	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 086144	661 0	0	0
KOP Leg #1	125	FNL	650	FEL	108	02E	24	Lot A	32.05271 19	108.7182 074	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 086144	661 0	0	0
PPP Leg #1	100	FNL	400	FEL	108	02E	24	Lot A	32.05187 27	108.7123 563	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 086144	627 5	102 01	019 4

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
PPP Leg #1	142	FSL	118	FEL	10S	32E	24	Lot P	32.62413 1	109.7425 42	LEA	NEW MEX CO	NEW MEX CO	P	NMNM 007700 6	536 4	137 91	537 9
EXIT Leg #1	360	FSL	190	FEL	10S	32E	25	Lot P	32.62411 8B	109.7425 158	LEA	NEW MEX CO	NEW MEX CO	P	NMNM 012413	527 3	138 58	529 4
BHL Leg #1	360	FSL	190	FEL	10S	32E	25	Lot P	32.62411 8B	109.7425 158	LEA	NEW MEX CO	NEW MEX CO	P	NMNM 012413	527 5	138 58	529 4

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 88201
Phone: (505) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Santa Fe, NM 87505
Phone: (505) 334-6177 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

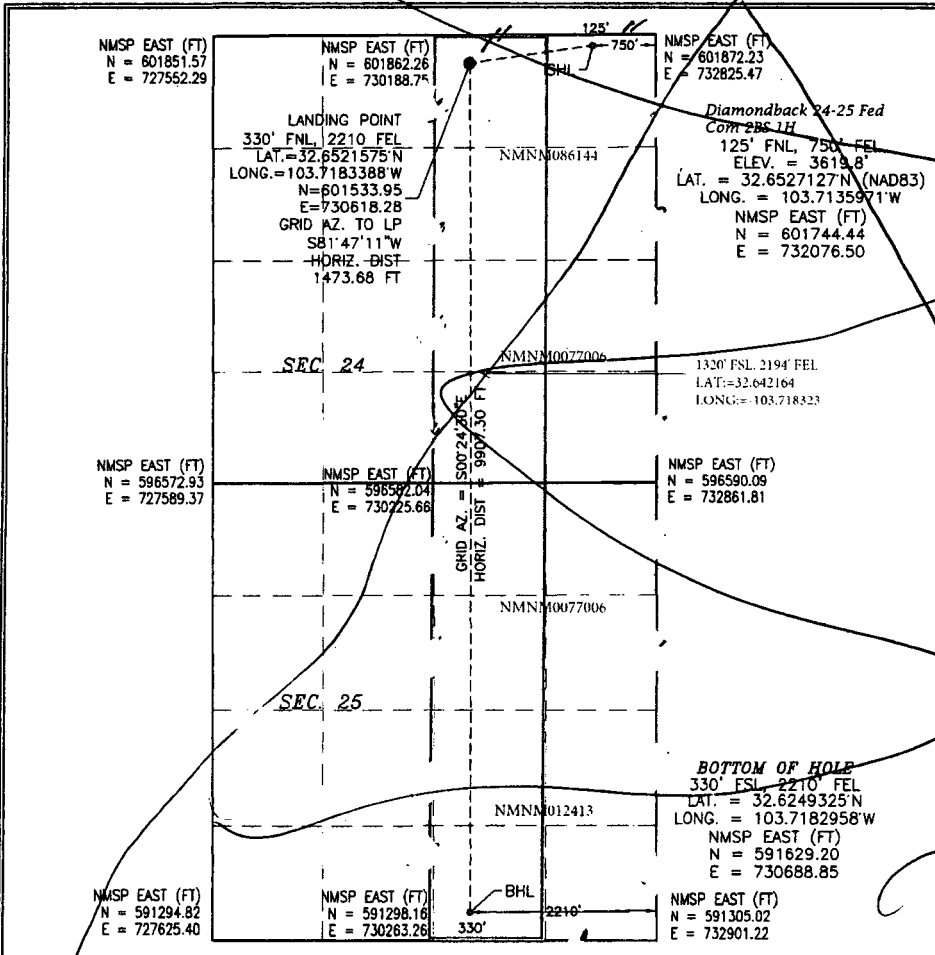
¹ API Number 30-025	² Pool Code 59475	³ Pool Name LUISK TONTO, BONE SPRING, EAST
⁴ Property Code 922153	⁵ Property Name DIAMONDBACK 24-25 FED COM 2BS	
⁷ OGRID No. 372137	⁸ Operator Name CHISHOLM ENERGY OPERATING, LLC	⁶ Well Number 1H
		⁹ Elevation 3619.8

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	19 S	32 E		125	NORTH	750	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	25	19 S	32 E		330	SOUTH	2210	EAST	LEA

¹² Dedicated Acres .320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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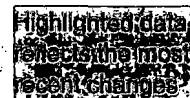
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

			
17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Jennifer Elrod</i> Date: 05/17/2018 Printed Name: JENNIFER ELROD E-mail Address: jelrod@chisholmenergy.com			
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: SEPTEMBER 26, 2017 Signature and Seal of Professional Surveyor: <i>Filimon F. Jaramillo</i> Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 5586			

APD ID: 10400023642

Submission Date: 12/05/2017

Operator Name: CHISHOLM ENERGY OPERATING LLC



Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	RUSTLER	3620	0	0	ANHYDRITE	NONE	No
2	SALADO	2135	1485	1485	SALT	NONE	No
3	SEVEN RIVERS	466	3154	3154	DOLOMITE, ANHYDRITE	NONE	No
4	QUEEN	-593	4213	4213	LIMESTONE, SANDSTONE, DOLOMITE	NATURAL GAS, OIL	No
5	DELAWARE	-3055	6675	6675	SHALE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	No
6	BONE SPRING	-4064	7684	7684	LIMESTONE, SHALE	NATURAL GAS, OIL	No
7	BONE SPRING 1ST	-5166	8786	8786	SHALE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	No
8	BONE SPRING 2ND	-5803	9423	9423	SHALE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 12500

Equipment: Rotating head, remote kill line, mud gas separator

Requesting Variance? YES

Variance request: WE PROPOSE UTILIZING A CACTUS SPEED HEAD MULTI-BOWL WELLHEAD FOR THIS WELL. PLEASE SEE ATTACHED DIAGRAM AND PRESSURE TESTING STATEMENT. ALSO WE REQUEST TO USE A FLEX CHOKE HOSE; PLEASE SEE ATTACHMENT.

Testing Procedure: BOP will be tested by an independent service company per onshore order 2 requirements. BOP testing procedure -N/U the rig's BOP. Use 3rd party testers to perform the following: -Test the pipe rams, blind rams, floor valves (IBOP and/or upper Kelly valve), choke lines and manifold to 250 psi/5,000 psi with a test plug and a test pump. -Test the Hydril annular to 250 psi/2,500 psi with same as above.

Choke Diagram Attachment:

5M_Choke_Manifold_Diagram_20171019132035.pdf

BOP Diagram Attachment:

5m_BOP_Diagram_20171019132044.pdf

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1200	0	1200	3620	2415	1200	J-55	54.5	BUTT	2.15	5.19	DRY	13.84	DRY	12.99
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5500	0	5500	3620	-1580	5500	J-55	40	LTC	1.4	1.43	DRY	2.5	DRY	3.03
3	PRODUCTION	8.75	5.5	NEW	API	N	0	19836	0	9894	3620	-6274	19836	P-110	17	BUTT	1.58	2.25	DRY	3.38	DRY	3.25

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Assumptions_20171122093511.pdf

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Casing Attachments

Casing ID: 2 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Assumptions_20171122093527.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Assumptions_20171122093754.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	855	434	2.53	12	1099	85	Class C	Sodium Metasilicate, Defoamer, KCL
SURFACE	Tail		855	1200	341	1.32	14.8	450	85	Class C	none
INTERMEDIATE	Lead	3280	0	3500	740	2.43	12	1797	100	Class C	Sodium Metasilicate, Defoamer, KCL, Kol-Seal, Cellophane Flakes, ROF SealCheck

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Lead	3280	3280	4630	366	2.31	12	846	100	Class H	Sodium Metasilicate, Defoamer, KCL, Kol-Seal, Cellophane Flakes, ROF SealCheck
INTERMEDIATE	Tail		4630	5500	180	1.22	14.4	219	100	Class H	Fluid Loss, Dispercent, Retarder
PRODUCTION	Lead		4700	9394	376	2.92	12	1454	15	Class C	Bentonite, Compressive Strength Enhancer, Silica Fume Alternative, Fluid Loss, Defoamer, Sodium Metasilicate, Retarder
PRODUCTION	Tail		9394	19836	2867	1.15	15.8	3297	15	Class H	Fluid Loss, Suspension Agent, Retarder, Defoamer, Dispersant

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: Pason PVT system will be in place throughout the well as well as visual checks

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1205	5200	SALT SATURATED	9.8	10.2							
5200	9894	WATER-BASED MUD	8.6	8.9							

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1205	SPUD MUD	8.5	9.2							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

none

List of open and cased hole logs run in the well:

CBL,DS,GR,MWD

Coring operation description for the well:

none

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4500

Anticipated Surface Pressure: 2323.32

Anticipated Bottom Hole Temperature(F): 163

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Lea_County_H2S_plan_20180517151050.pdf

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Diamondback_24_25_Fed_2BS_3H_Plan_2_AC_Report_20180613082056.pdf

Diamondback_24_25_Fed_2BS_3H_Plan_2_20180613082056.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

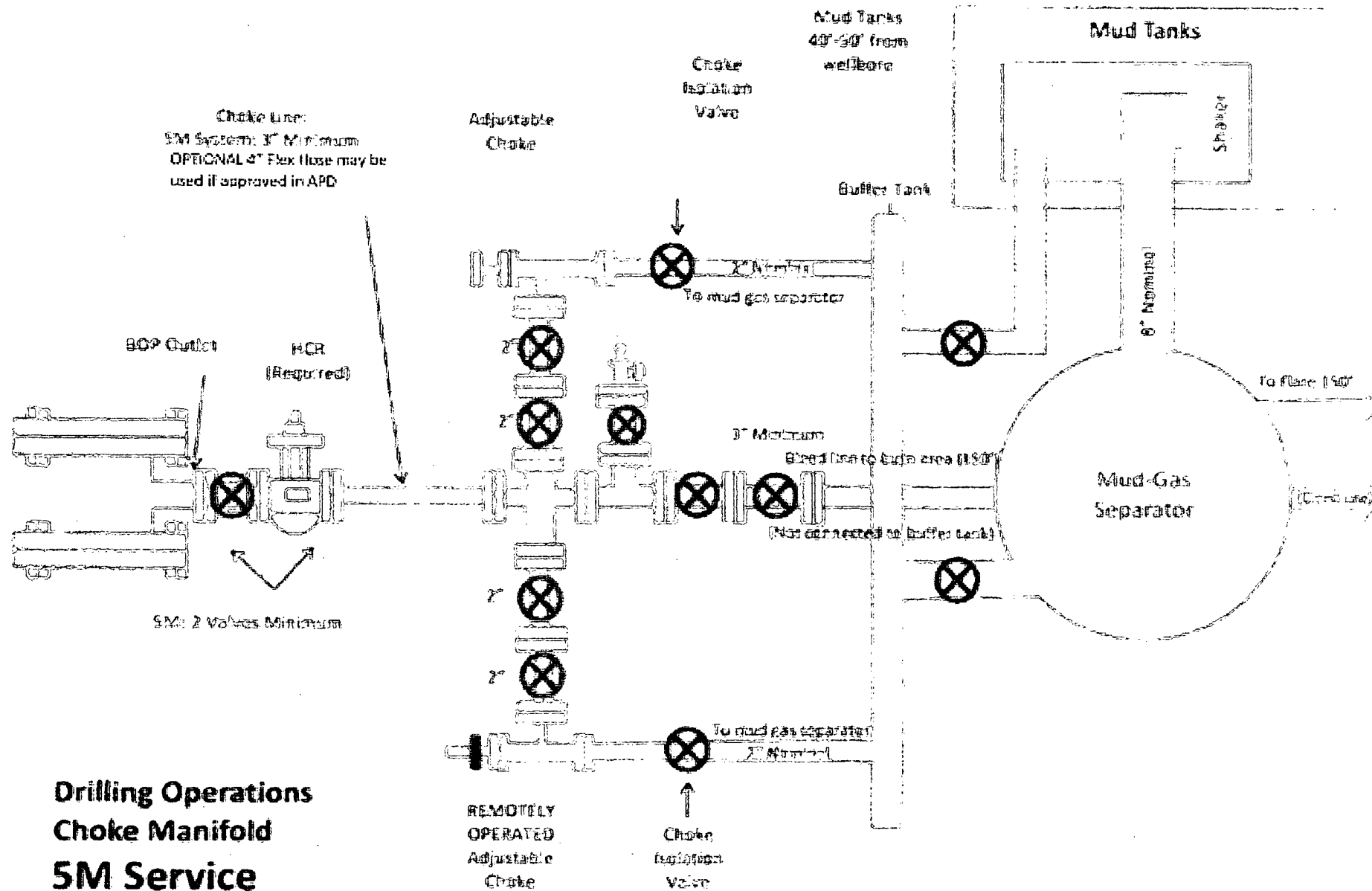
Other Variance attachment:

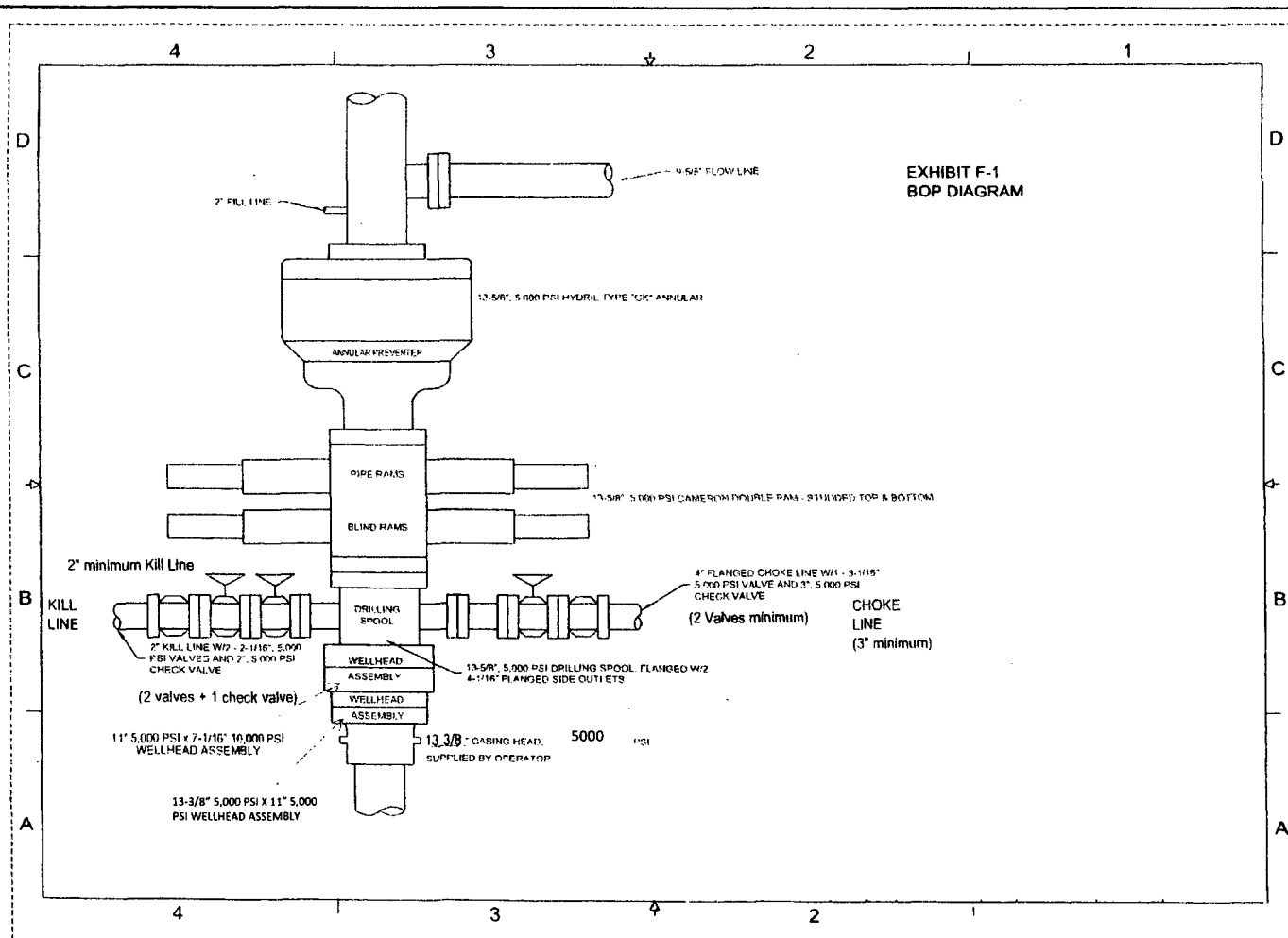
Cactus_Speed_Head_Installation_Procedure_20180517151236.pdf

Cactus_Speed_Head_Pressure_Testing_Statement_20180517151236.pdf

Cactus_Speedhead_Diagram_20180517151236.pdf

Choke_Hose_M55_1_07102017_145204_66_1225_04_14_2014__20180517151237.pdf





Casing Program: Minis (13 3/8" x 9 5/8" x 5 1/2")

Open Hole Size (Inches)	Casing Depth; From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Condition	Anticipated Mud Weight (ppg)	Burst (psi)	Burst SF (1.125)	Collapse (psi)	Collapse SF (1.125)	Tension Joint (klbs)	Air Weight (lbs)	Tension Joint SF (1.8)	Tension Body (klbs)	Air Weight (lbs)	Tension Body SF (1.8)
Surface																			
17.5"	0'	1,205'	1,205'	13 3/8"	54.5	J-55	BTC	New	8.4	2730	5.19	1130	2.15	909,000	65,673	13.84	853,000	65,673	12.99
Intermediate																			
12.25"	0'	5,200'	5,200'	9 5/8"	40	J-55	LTC	New	10.2	3950	1.43	2570	1.40	520,000	208,000	2.50	630,000	208,000	3.03
Production																			
8.75"	0'	19,836'	9,894'	5 1/2"	17	P-110	BTC	New	9.2	10640	2.25	7480	1.58	568,000	168,198	3.38	546,000	168,198	3.25

Casing Design Criteria and Casing Loading Assumptions:

Surface

Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of: 8.4 ppg
Collapse A 1.125 design factor with full internal evacuation and collapse force equal to a mud gradient of: 8.4 ppg
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of: 8.4 ppg

Intermediate

Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of: 10.2 ppg
Collapse A 1.125 design factor with 1/3 TVD internal evacuation and collapse force equal to a mud gradient of: 10.2 ppg
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of: 10.2 ppg

Production

Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of: 9.2 ppg
Collapse A 1.125 design factor with full internal evacuation and collapse force equal to a mud gradient of: 9.2 ppg
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of: 9.2 ppg

Casing Program: Minis (13 3/8" x 9 5/8" x 5 1/2")

Open Hole Size (Inches)	Casing Depth; From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Condition	Anticipated Mud Weight (ppg)	Burst (psi)	Burst SF (1.125)	Collapse (psi)	Collapse SF (1.125)	Tension Joint (klbs)	Air Weight (lbs)	Tension Joint SF (1.8)	Tension Body (klbs)	Air Weight (lbs)	Tension Body SF (1.8)
Surface																			
17.5"	0'	1,205'	1,205'	13 3/8"	54.5	J-55	BTC	New	8.4	2730	5.19	1130	2.15	909,000	65,673	13.84	853,000	65,673	12.99
Intermediate																			
12.25"	0'	5,200'	5,200'	9 5/8"	40	J-55	LTC	New	10.2	3950	1.43	2570	1.40	520,000	208,000	2.50	630,000	208,000	3.03
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8.75"	0'	19,836'	9,894'	5 1/2"	17	P-110	BTC	New	9.2	10640	2.25	7480	1.58	568,000	168,198	3.38	546,000	168,198	3.25

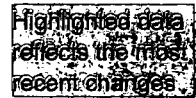
Casing Design Criteria and Casing Loading Assumptions:

Surface		
Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:	8.4 ppg	
Collapse A 1.125 design factor with full internal evacuation and collapse force equal to a mud gradient of:	8.4 ppg	
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:	8.4 ppg	
Intermediate		
Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:	10.2 ppg	
Collapse A 1.125 design factor with 1/3 TVD internal evacuation and collapse force equal to a mud gradient of:	10.2 ppg	
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:	10.2 ppg	
Production		
Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:	9.2 ppg	
Collapse A 1.125 design factor with full internal evacuation and collapse force equal to a mud gradient of:	9.2 ppg	
Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:	9.2 ppg	



APD ID: 10400023642

Submission Date: 12/05/2017



Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

DIAMONDBACK_24_FED_2BS_3H_ACCESS_ROUTE_MAP_10092017_20171019132257.pdf

DIAMONDBACK_24_FED_2BS_3H_AERIAL_PHOTO_10092017_20171019132257.pdf

DIAMONDBACK_24_FED_2BS_3H_LOC_VERIFICATION_MAP_10092017_20171019132258.pdf

DIAMONDBACK_24_FED_2BS_3H_VICINITY_MAP_10092017_20171019132258.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

DIAMONDBACK_24_FED_2BS_3H_SITE_MAP_10092017_20171019132316.pdf

New road type: RESOURCE

Length: 282

Feet

Width (ft.): 30

Max slope (%): 2

Max grade (%): 1

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 15

New road access erosion control: Road will be crowned and ditched to prevent erosion

New road access plan or profile prepared? NO

New road access plan attachment:

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Access road engineering design? NO

Access road engineering design attachment:

Access surfacing type: OTHER

Access topsoil source: BOTH

Access surfacing type description: 6" rolled and compacted caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description: Surfacing material will consist of native caliche obtained from the well site if possible. Otherwise, caliche will be hauled from nearest caliche pit

Onsite topsoil removal process: Grading

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and be consistent with local drainage patterns.

Road Drainage Control Structures (DCS) description: No drainage control necessary

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

DIAMONDBACK_24_FED_2BS_3H_MILE_RADIUS_MAP_10092017_20171019132345.pdf

Diamondback_24_25_Fed_2BS_3H_Mile_Radius_Spreadsheet_10092017_20171019132356.xlsx

Existing Wells description:

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: If well is productive, a tank battery will be installed on well pad. Tank battery construction and instillation plans will be submitted via Sundry Notice.

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Section 5 - Location and Types of Water Supply

Water Source Table

Water source use type: INTERMEDIATE/PRODUCTION CASING,
STIMULATION, SURFACE CASING

Water source type: GW WELL

Describe type:

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: PIPELINE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 120000

Source volume (acre-feet): 15.467172

Source volume (gal): 5040000

Water source and transportation map:

DIAMONDBACK_24_FED_2BS_3H_VICINITY_MAP_10092017_20171019132424.pdf

Water source comments: This location will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using the existing and proposed roads described and depicted on the "Vicinity Map". On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If a poly pipeline is used, the size, distance, and map showing route will be provided to the BLM via sundry notice.

New water well? NO

New Water Well Info

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: Construction materials from the location will be used. No additional needs are anticipated.

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Drilling Fluids and Cuttings

Amount of waste: 6000 barrels

Waste disposal frequency : Daily

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Trucked to approved disposal facility

Waste type: COMPLETIONS/STIMULATION

Waste content description: Completions Fluids

Amount of waste: 2000 barrels

Waste disposal frequency : Daily

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: FLOWBACK

Waste content description: Oil

Amount of waste: 1000 barrels

Waste disposal frequency : One Time Only

Safe containment description: Frac Tanks

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Safe containmant attachment:

Waste disposal type: OTHER

Disposal location ownership: PRIVATE

Disposal type description: Private

Disposal location description: Haul to tank battery

Waste type: SEWAGE

Waste content description: Human Waste

Amount of waste: 50 pounds

Waste disposal frequency : Weekly

Safe containment description: Portable Toilets

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL FACILITY

Disposal type description:

Disposal location description: Serviced by toilet rental company

Waste type: GARBAGE

Waste content description: Trash and Debris

Amount of waste: 200 pounds

Waste disposal frequency : One Time Only

Safe containment description: roll off bin with netted top

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL FACILITY

Disposal type description:

Disposal location description: Truck to commercial waste facility

Waste type: PRODUCED WATER

Waste content description: Produced water

Amount of waste: 4000 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: OTHER

Disposal location ownership: PRIVATE

Disposal type description: Private

Disposal location description: Trucked to tank battery

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.)

Reserve pit width (ft.)

Reserve pit depth (ft.)

Reserve pit volume (cu. yd.)

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? YES

Description of cuttings location Stored in steel bin and hauled to disposal site by truck

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

DIAMONDBACK_24_FED_2BS_3H_SITE_MAP_10092017_20171019132730.pdf

Comments:

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: DIAMONDBACK PAD 1

Multiple Well Pad Number: 1H, 2H, 3H

Recontouring attachment:

Drainage/Erosion control construction: Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion.

Drainage/Erosion control reclamation: Any portion of the site that is not needed for future operations will be reclaimed to the original state as much as possible.

Well pad proposed disturbance (acres):	Well pad interim reclamation (acres): 4.78	Well pad long term disturbance (acres): 4.78
Road proposed disturbance (acres):	Road interim reclamation (acres): 0.76	Road long term disturbance (acres): 0.76
Powerline proposed disturbance (acres):	Powerline interim reclamation (acres): 0	Powerline long term disturbance (acres): 0
Pipeline proposed disturbance (acres):	Pipeline interim reclamation (acres): 0	Pipeline long term disturbance (acres): 0
Other proposed disturbance (acres):	Other interim reclamation (acres): 0	Other long term disturbance (acres): 0
Total proposed disturbance:	Total interim reclamation: 5.54	Total long term disturbance: 5.54

Disturbance Comments:

Reconstruction method: No interim reclamation planned due to future development on this pad, as well as tank battery construction if the well is productive.

Topsoil redistribution: After the area has been reshaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible.

Soil treatment: No treatment necessary

Existing Vegetation at the well pad: mesquite, shinnery oak

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: mesquite, shinnery oak

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: mesquite, shinnery oak

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: no other disturbance

Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed type: PERENNIAL GRASS

Seed source: COMMERCIAL

Seed name: LPC-Seed Mix 2

Source name:

Source address:

Source phone:

Seed cultivar:

Seed use location: WELL PAD,WELL PAD

PLS pounds per acre: 5

Proposed seeding season: SPRING

Seed Summary

Total pounds/Acre: 5

Seed Type	Pounds/Acre
PERENNIAL GRASS	5

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: Tim

Last Name: Green

Phone: (432)686-8235

Email: tgreen@chisholmenergy.com

Seedbed prep: Rip and add topsoil

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: All areas will be monitored, and weeds will be treated

Weed treatment plan attachment:

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

Monitoring plan description: Monitoring by lease operators during each visit

Monitoring plan attachment:

Success standards: N/A

Pit closure description: No pit, utilizing closed loop system

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: DIAMONDBACK 24-25 FED COM 1BS

Well Number: 3H

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other Information

Right of Way needed? YES

Use APD as ROW? YES

ROW Type(s): 281001 ROW - ROADS

ROW Applications

SUPO Additional Information: This wellbore goes through leases NMNM086144; NMNM0077006, & NMNM012413 GCP & APD RECEIPT ATTACHED

Use a previously conducted onsite? YES

Previous Onsite information: Onsite was conducted 09/26/2017. BLM requested moving pad 200' E and reducing pad site by 60' because of sand dunes. Located in PA area.

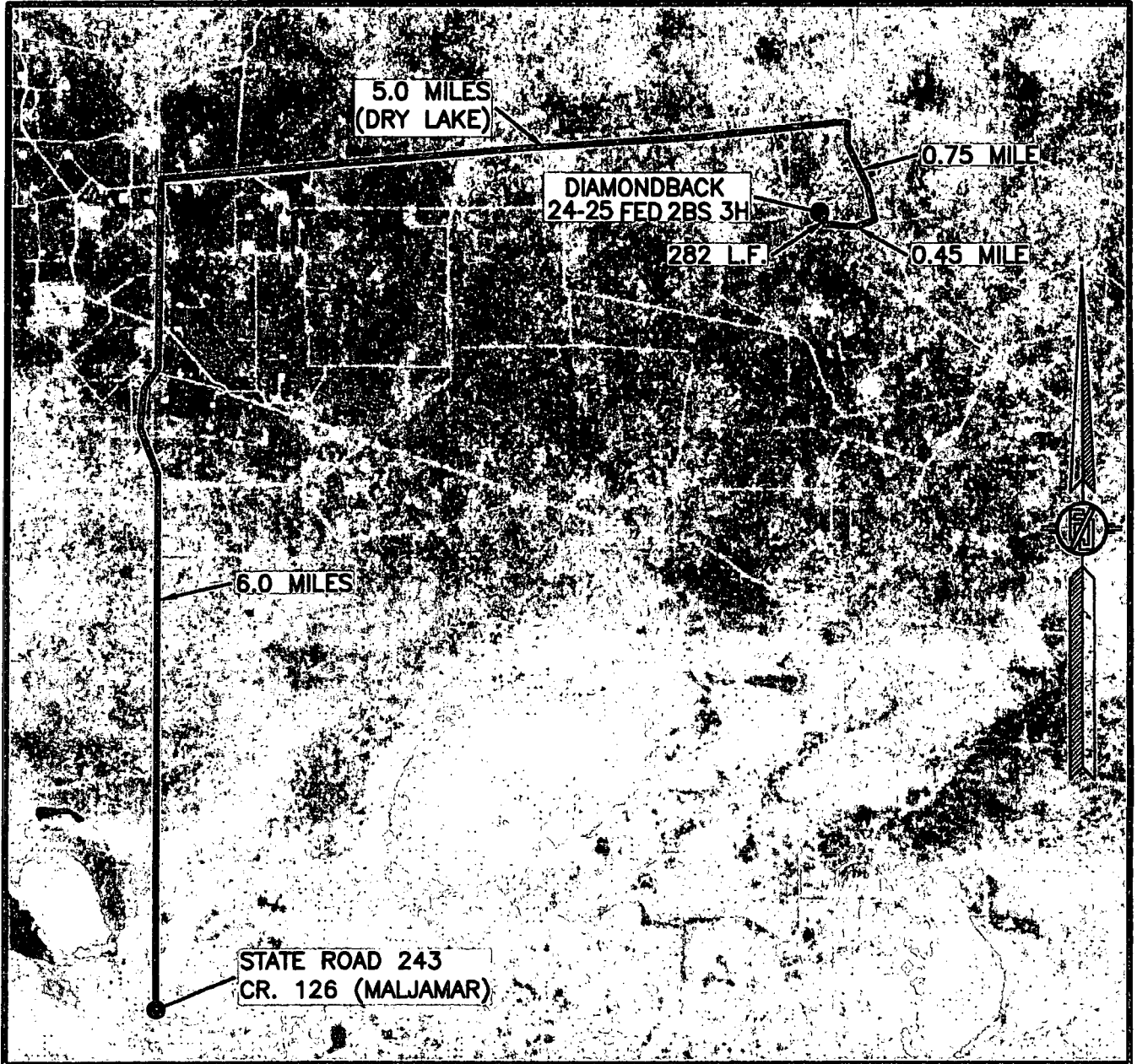
Other SUPO Attachment

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DIAMONDBACK_24_25_FED_1BS_3H_GCP_05172018_20180517151318.pdf

DIAMONDBACK_APD_RECEIPT_20180517151358.pdf

SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL ACCESS ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEB. 2017

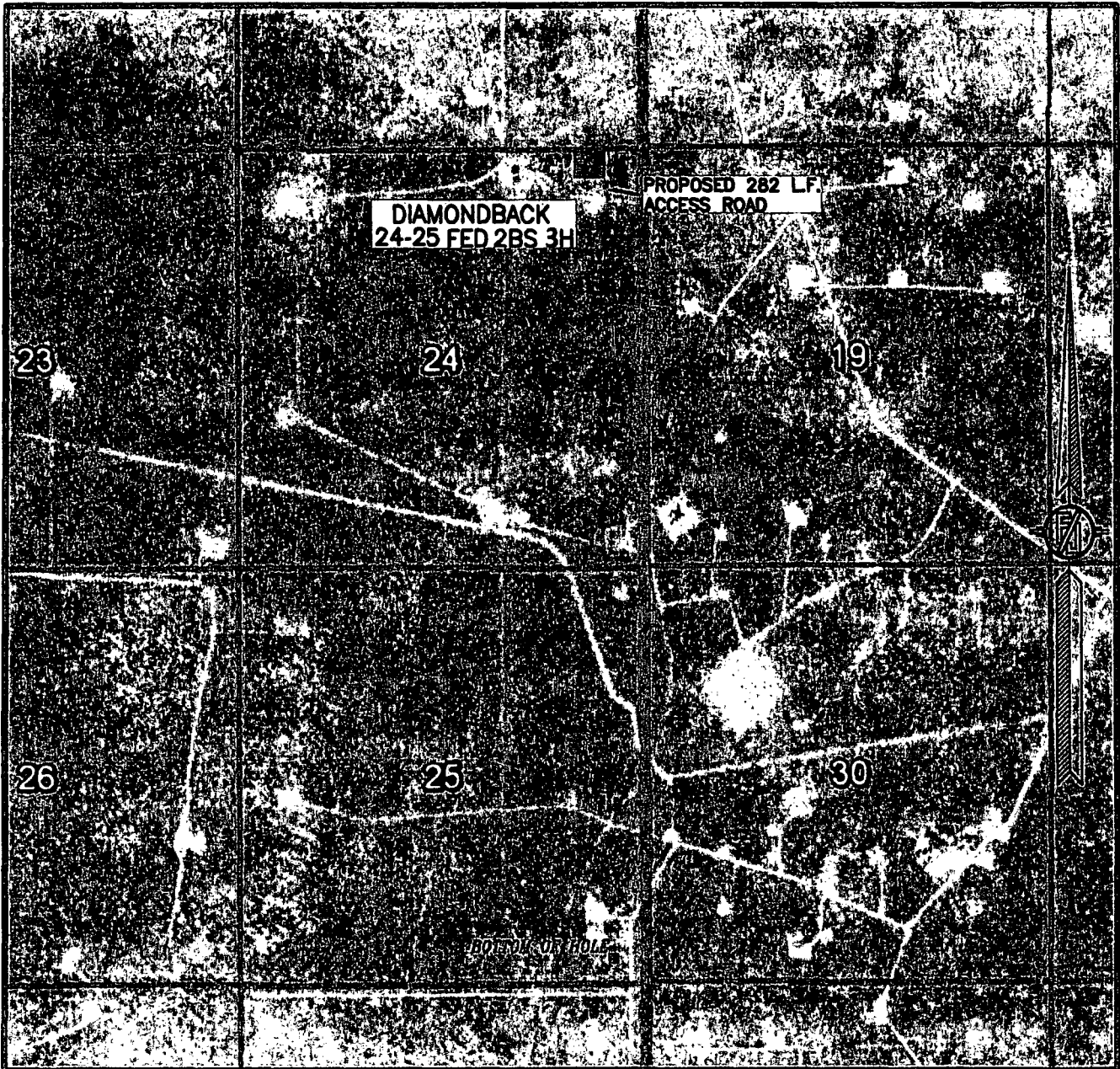
CHISHOLM ENERGY OPERATING, LLC
DIAMONDBACK 24-25 FED 2BS 3H
LOCATED 125 FT. FROM THE NORTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 19 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SEPTEMBER 26, 2017

SURVEY NO. 5588

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 **CARLSBAD, NEW MEXICO**

SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEB. 2017

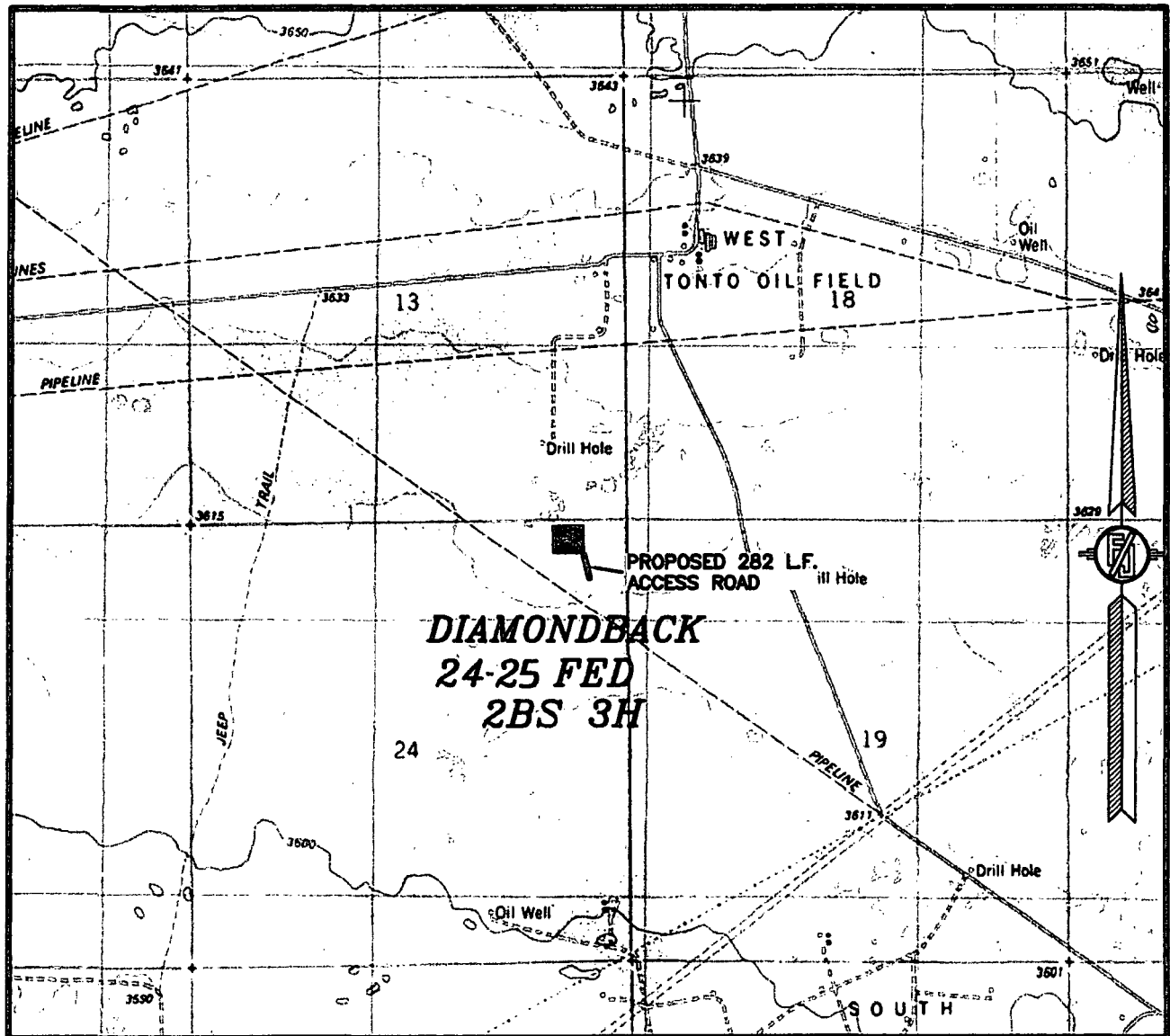
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SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
LAGUNA GATUNA

NOT TO SCALE

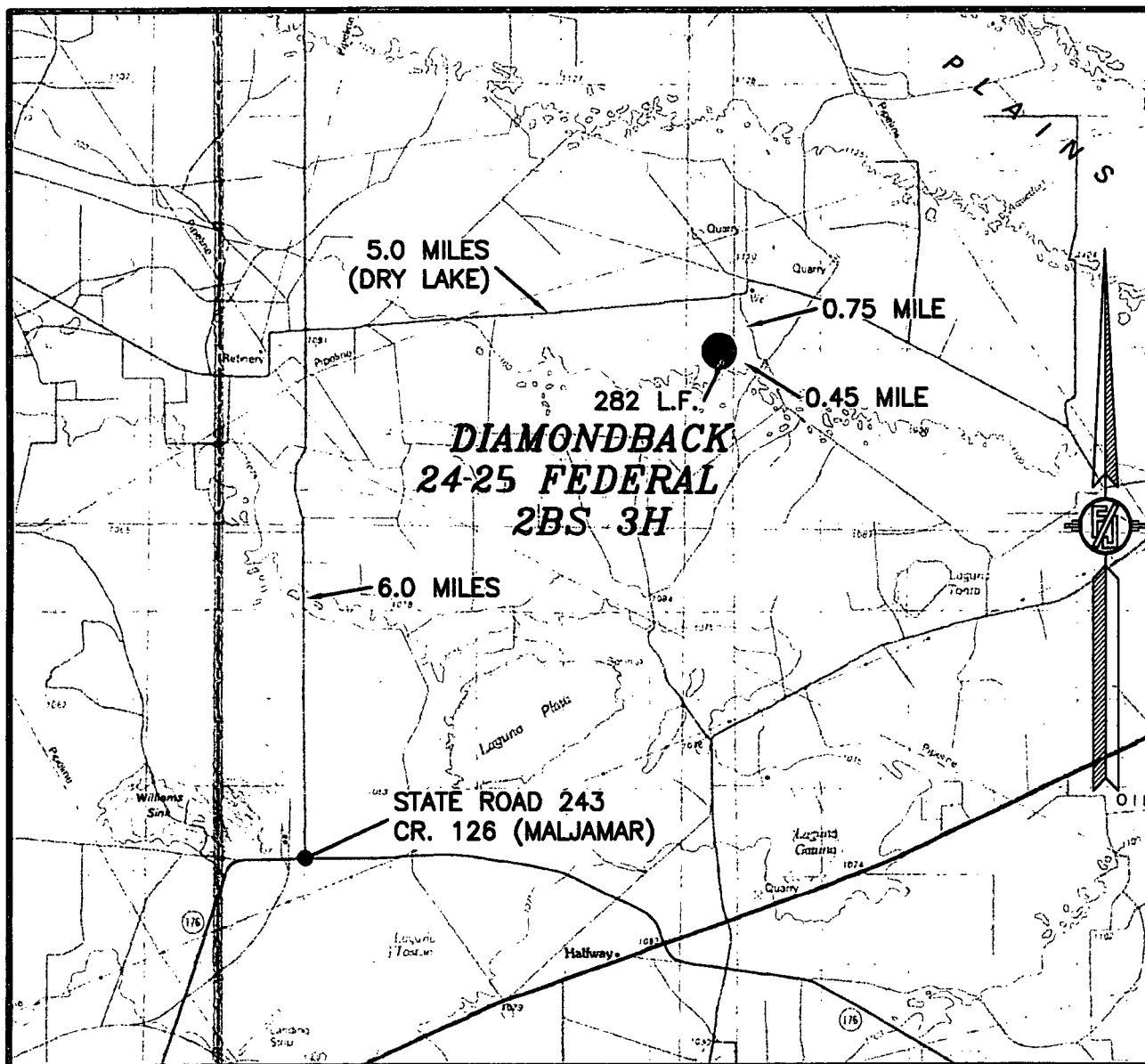
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SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM STATE ROAD 243 AND CR. 126 (MALJAMAR RD.) GO NORTH ON CR. 126 6.0 MILES, TURN RIGHT ON CALICHE ROAD (DRY LAKE RD.) AND GO EAST 5.0 MILES, TURN RIGHT AND GO SOUTH 0.75 MILE, TURN RIGHT AND GO WEST 0.45 MILE TO A ROAD SURVEY AND FOLLOW FLAGS NORTH-NORTHWEST 282° TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

CHISHOLM ENERGY OPERATING, LLC
DIAMONDBACK 24-25 FED 2BS 3H
LOCATED 125 FT. FROM THE NORTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 19 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

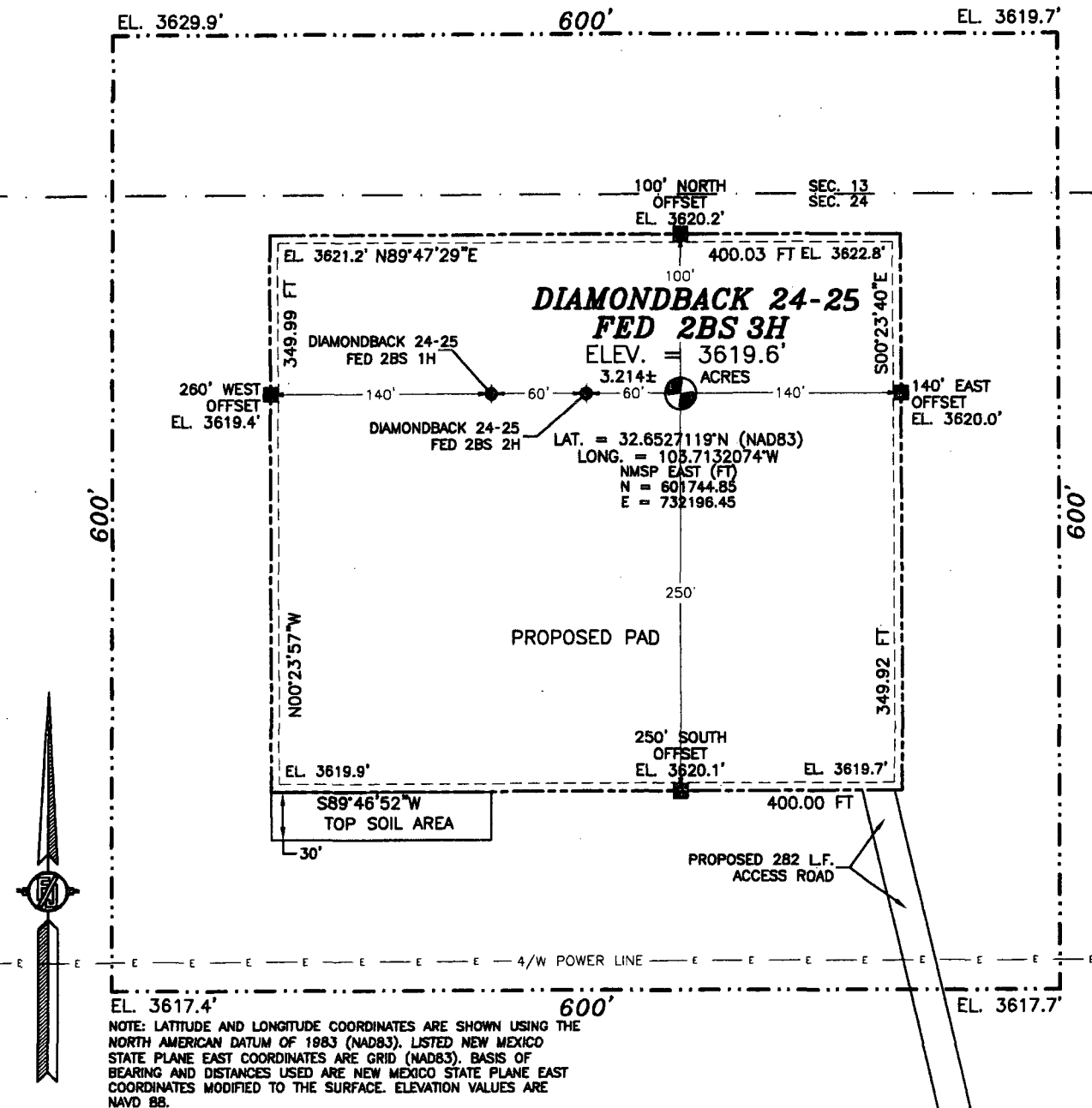
SEPTEMBER 26, 2017

SURVEY NO. 5588

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM STATE ROAD 243 AND CR. 126 (MALJAMAR RD.) GO NORTH ON CR. 126 8.0 MILES, TURN RIGHT ON CALICHE ROAD (DRY LAKE RD.) AND GO EAST 5.0 MILES, TURN RIGHT AND GO SOUTH 0.75 MILE, TURN RIGHT AND GO WEST 0.45 MILE TO A ROAD SURVEY AND FOLLOW FLAGS NORTH-NORTHWEST 282' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

CHISHOLM ENERGY OPERATING, LLC
DIAMONDBACK 24-25 FED 2BS 3H
LOCATED 125 FT. FROM THE NORTH LINE
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SECTION 24, TOWNSHIP 19 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SEPTEMBER 26, 2017

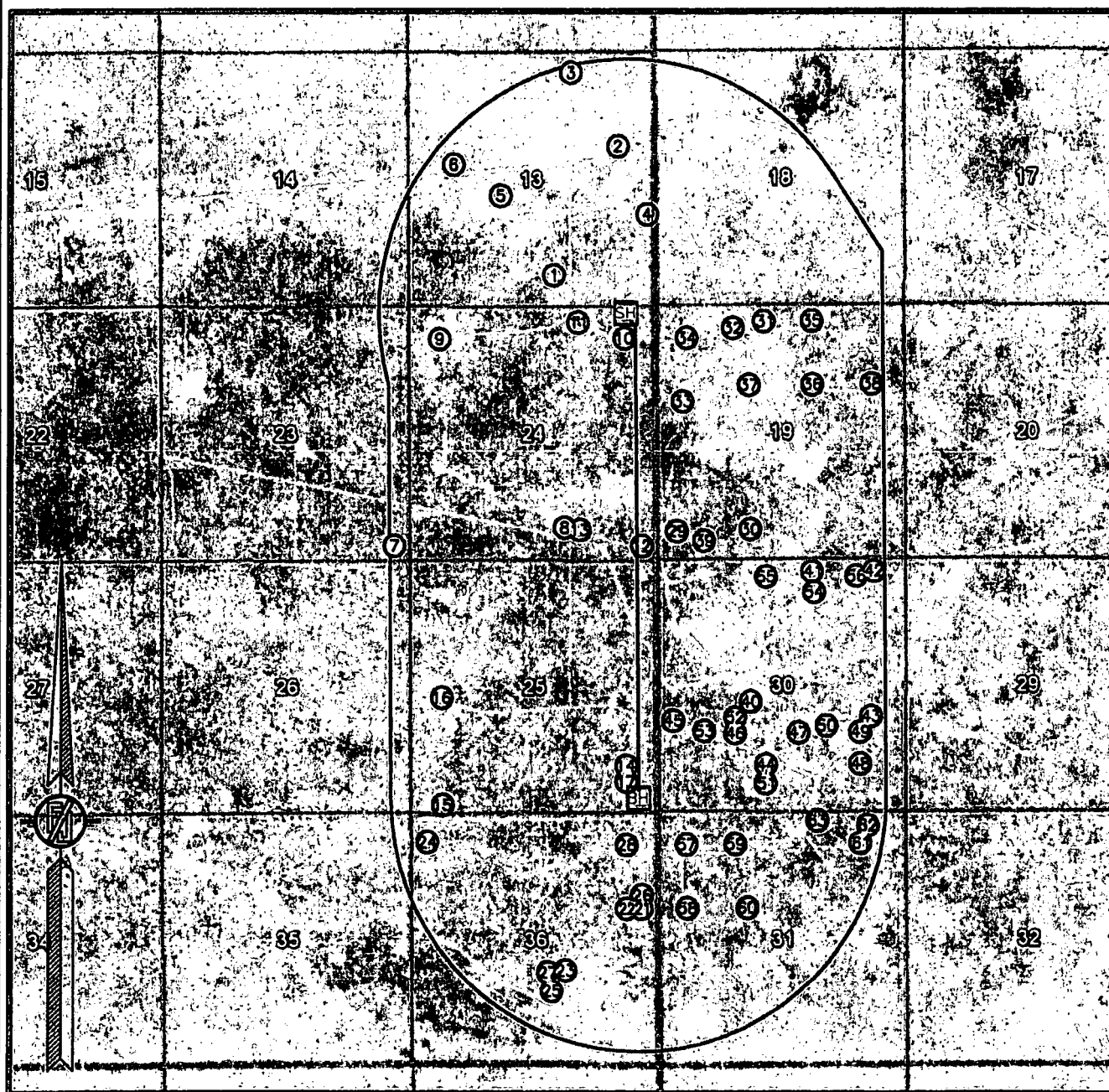
SURVEY NO. 6588

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

1-MILE MAP



- SH SURFACE LOCATION
- BH BOTTOM OF HOLE
- XX WELLS WITHIN 1 MILE

CHISHOLM ENERGY OPERATING, LLC
DIAMONDBACK 24-25 FED 2BS 3H
 LOCATED 125 FT. FROM THE NORTH LINE
 AND 630 FT. FROM THE EAST LINE OF
 SECTION 24, TOWNSHIP 19 SOUTH,
 RANGE 32 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO

SEPTEMBER 26, 2017

SURVEY NO. 5588

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

	API	Well	Type	Mineral Owner	Surface Owner
1	30-025-33741	BONANZA FEDERAL #007	Oil	Federal	
2	30-025-38575	NORTE 13 FEDERAL #001	Gas	Federal	
3	30-025-40588	NORTE 13 HE FEDERAL #001H	Oil	Federal	
4	30-025-40873	NORTE 13 IL FEDERAL #001H	Oil	Federal	
5	30-025-29538	BONDURANT FEDERAL #001	Oil	Federal	
6	30-025-30209	BONDURANT FEDERAL #002	Oil	Federal	
7	30-025-36720	LUSK 23 FEDERAL #002	Gas	Federal	
8	30-025-35622	DIAMONDBACK 24 FEDERAL COM #001	Gas	Federal	
9	30-025-39957	EAST LUSK 24 FEDERAL COM #001H	Oil	Federal	
10	30-025-33304	GUNSMOKE FEDERAL #001	Oil	Federal	
11	30-025-32735	PRONGHORN SWD #001	Salt Water Disposal	Federal	
12	30-025-00919	BIG CIRCLE #002	Oil	Federal	
13	30-025-20097	BIG CIRCLE #003	Oil	Federal	
14	30-025-34679	DIAMONDBACK 25 FEDERAL COM #001	Gas	Federal	
15	30-025-43215	MCKAMEY 25 B2MD FEDERAL COM #001H	Oil	Federal	
16	30-025-27740	MCKAMEY FEDERAL #001Y	Oil	Federal	
17	30-025-31327	ANDAWAY 25 FEDERAL #001	Oil	Federal	
21	30-025-31950	STATE HH DELAWARE #012	Salt Water Disposal	State	
22	30-025-27417	STATE HH #001H	Oil	State	
23	30-025-38389	STATE HH #002	Gas	State	
24	30-025-39887	STATE HH #003H	Oil	State	
25	30-025-40827	GAY NINETIES FEDERAL COM #001H	Oil	Federal	
26	30-025-43132	GAY NINETIES FEDERAL COM #002H	Oil	Federal	
27	30-025-43139	GAY NINETIES FEDERAL COM #003H	Oil	Federal	
27	30-025-43140	GAY NINETIES FEDERAL COM #004H	Oil	Federal	
28	30-025-31803	STATE HH DELAWARE #002	Oil	State	
29	30-025-43503	GERONIMO FEDERAL COM #011H	Oil	Federal	Federal
30	30-025-27730	MAVERICK #001	Oil	Federal	
31	30-025-36610	PALADIN FEDERAL #007	Oil	Federal	
32	30-025-32870	PALADIN FEDERAL #001	Oil	Federal	
33	30-025-31231	PALADIN FEDERAL #002	Oil	Federal	

34	30-025-33310	PALADIN FEDERAL #003	Oil	Federal	
35	30-025-33309	PALADIN FEDERAL #004	Oil	Federal	
36	30-025-33311	PALADIN FEDERAL #005	Oil	Federal	
37	30-025-33312	PALADIN FEDERAL #006	Oil	Federal	
38	30-025-39160	NORTE 19 FEDERAL COM #001	Gas	Federal	
39	30-025-27122	FEDERAL 19 #001	Oil	Federal	
40	30-025-27671	FEDERAL 30 #002	Gas	Federal	
41	30-025-42467	FEDERAL 30 #123H	Oil	Federal	Federal
42	30-025-41882	FEDERAL 30 #124H	Oil	Federal	
43	30-025-27069	FEDERAL 30 #001	Oil	Federal	
44	30-025-25371	TONTO #001	Oil	Federal	
45	30-025-25420	TONTO #002	Injection	Federal	
46	30-025-25589	TONTO #003	Oil	Federal	
47	30-025-25584	TONTO #005	Oil	Federal	
48	30-025-25591	TONTO #006	Oil	Federal	
49	30-025-25897	TONTO #007	Injection	Federal	
50	30-025-27435	TONTO #008	Oil	Federal	
51	30-025-27190	TONTO #009Y	Injection	Federal	
52	30-025-26290	TONTO #010	Oil	Federal	
53	30-025-27371	TONTO #011	Oil	Federal	
54	30-025-01694	SIGNAL ROSS #001	Oil	Federal	
55	30-025-01696	SIGNAL ROSS #003	Oil	Federal	
56	30-025-01697	SIGNAL ROSS #004	Oil	Federal	
57	30-025-30645	GERONIMO FEDERAL #001	Oil	Private	
58	30-025-30992	GERONIMO FEDERAL #002	Gas	Federal	
57	30-025-31174	GERONIMO FEDERAL #003	Oil	Private	
59	30-025-31312	GERONIMO FEDERAL #005	Oil	Private	
58	30-025-31391	GERONIMO FEDERAL #007	Oil	Federal	
60	30-025-31532	GERONIMO FEDERAL #008	Oil	Federal	
61	30-025-35851	FEDERAL 31 G #005	Gas	Federal	
62	30-025-43357	TONTO 31 B2AP FEDERAL #001H	Oil	Federal	
63	30-025-43355	TONTO 31 B2BO FEDERAL #001H	Oil	Federal	

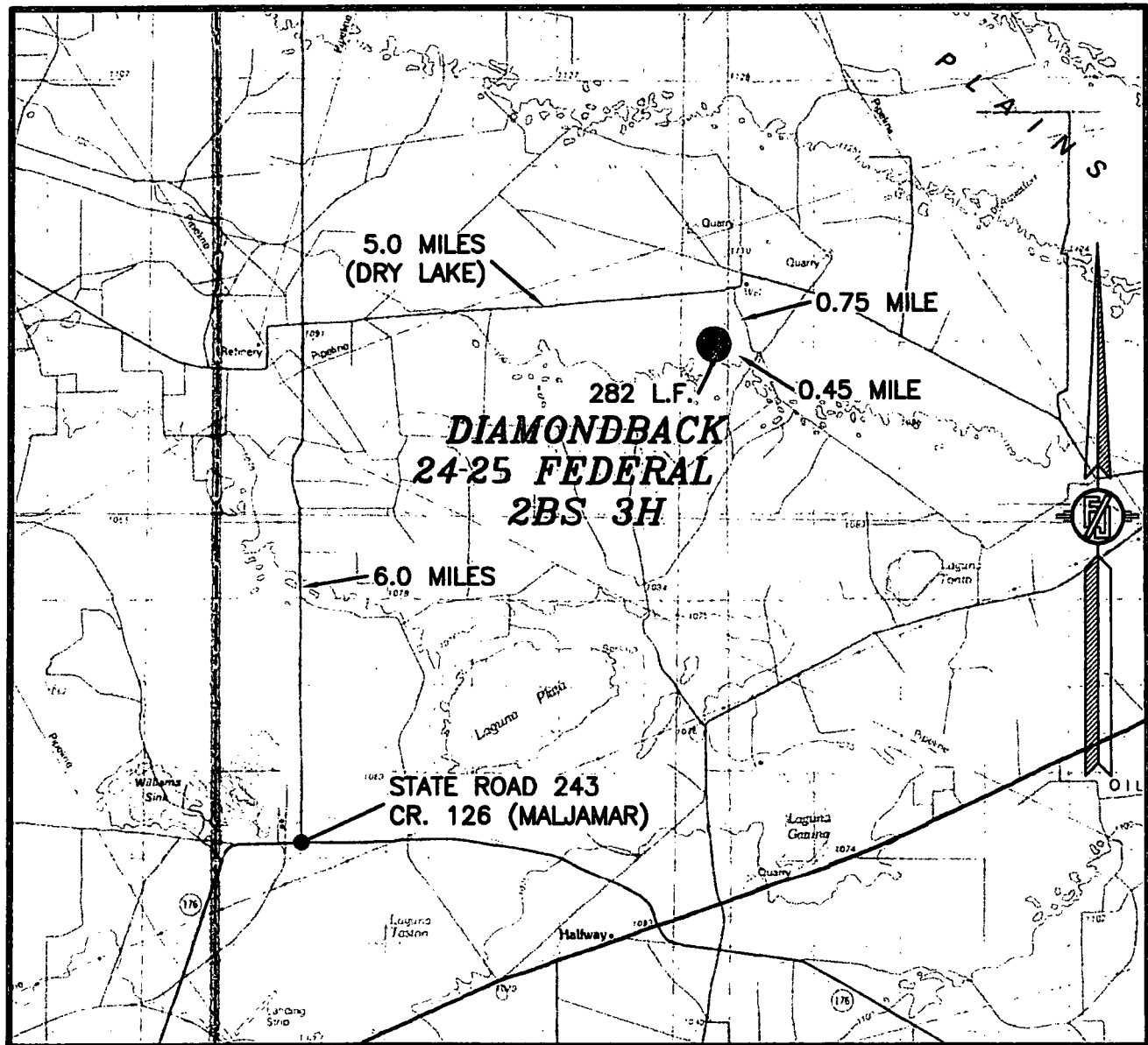
Status	ULSTR	OCD Unit Letter	Last Production	Spud Date	Plugged On
Active	O-13-19S-32E	O	Aug-17	2/4/1997	
Active	H-13-19S-32E	H	Jul-17	10/22/2007	
Active	H-13-19S-32E	H	Jul-17	7/4/2012	
Active	I-13-19S-32E	I	Jul-17	12/22/2012	
Active	K-13-19S-32E	K	May-15	11/29/1986	
Active	E-13-19S-32E	E	Jun-11		
Active	P-23-19S-32E	P	Aug-17	7/30/2004	
Shut In	O-24-19S-32E	O	Nov-16	8/13/2001	
Active	D-24-19S-32E	D	Jul-17	12/26/2010	
Active	A-24-19S-32E	A	Jul-17	6/19/1996	
Active	B-24-19S-32E	B	Jul-17	3/5/1995	
Active	P-24-19S-32E	P	Jul-15		
Active	O-24-19S-32E	O	Jan-14		
Active	P-25-19S-32E	P	Jun-17	12/20/1999	
New	M-25-19S-32E	M			
Active	L-25-19S-32E	L	Jul-17	1/25/1982	
Active	P-25-19S-32E	P	Aug-17		
Plugged, Not Released	H-36-19S-32E	H	Mar-00	5/5/1993	
Active	H-36-19S-32E	H	Jul-17	6/11/1981	
Active	J-36-19S-32E	J	Jul-17	6/9/2007	
Active	D-36-19S-32E	D	Jul-17	1/28/2011	
Active	J-36-19S-32E	J	Jul-17	12/21/2013	
New	H-36-19S-32E	H			
New	J-36-19S-32E	J			
New	J-36-19S-32E	J			
Approved Temporary Abandonment	A-36-19S-32E	A	Apr-17		
Active	4-19-19S-33E	M	Jul-17	1/24/2017	
Active	N-19-19S-33E	N	Jul-17		
New	C-19-19S-33E	C			
Active	C-19-19S-33E	C	Aug-17	11/7/1995	
Active	2-19-19S-33E	E	Aug-17	6/5/1991	

Active	1-19-19S-33E	D	Aug-17	9/20/1996	
Active	B-19-19S-33E	B	Aug-17	6/3/1996	
Active	G-19-19S-33E	G	Aug-17	9/4/1996	
Active	F-19-19S-33E	F	Aug-17	8/20/1996	
Active	H-19-19S-33E	H	Jul-17	12/19/2008	
Active	4-19-19S-33E	M	Aug-15		
Active	K-30-19S-33E	K	Jun-17		
New	B-30-19S-33E	B		7/8/2017	
New	A-30-19S-33E	A			
Active	I-30-19S-33E	I	May-17		
Active	N-30-19S-33E	N	Jul-13		
Active	3-30-19S-33E	L	Jun-15	12/26/1976	
Active	K-30-19S-33E	K	Jul-13		
Active	J-30-19S-33E	J	Jul-13		
Active	P-30-19S-33E	P	Jul-13		
Active	I-30-19S-33E	I	Jun-15		
Active	J-30-19S-33E	J	Jul-13		
Active	N-30-19S-33E	N	Jun-15	10/12/1980	
Active	K-30-19S-33E	K	Jun-15		
Active	3-30-19S-33E	L	Oct-14		
Active	B-30-19S-33E	B	Oct-15		
Active	C-30-19S-33E	C	Oct-15		
Active	1-30-19S-33E	D	Oct-15		
Active	1-31-19S-33E	D	Nov-15		
Active	2-31-19S-33E	E	Jul-17		
Active	1-31-19S-33E	D	Oct-16		
Active	C-31-19S-33E	C	Jul-17	8/9/1991	
Active	2-31-19S-33E	E	Oct-16		
Active	F-31-19S-33E	F	Oct-16		
Active	A-31-19S-33E	A	Jul-17	5/15/2002	
New	A-31-19S-33E	A			
New	B-31-19S-33E	B			

Current Operator	Surface Location	Lat/Long (NAD 83)
[265378] GEORGE A CHASE JR DBA G AND C SERVICE	660 FSL 2160 FEL	32.6548462,-103.7181854
[14744] MEWBOURNE OIL CO	1980 FNL 760 FEL	32.6620865,-103.7136459
[14744] MEWBOURNE OIL CO	440 FNL 1755 FEL	32.6663284,-103.7168808
[14744] MEWBOURNE OIL CO	1910 FSL 150 FEL	32.658268,-103.7116547
[236183] TANDEM ENERGY CORPORATION	2310 FSL 1980 FWL	32.6593895,-103.7218781
[236183] TANDEM ENERGY CORPORATION	2310 FNL 990 FWL	32.6612053,-103.7250977
[7377] EOG RESOURCES INC	330 FSL 330 FEL	32.6394653,-103.7293472
[372137] CHISHOLM ENERGY OPERATING, LLC	710 FSL 1980 FEL	32.6404762,-103.7175903
[162683] CIMAREX ENERGY CO. OF COLORADO	660 FNL 660 FWL	32.6512337,-103.7261505
[229137] COG OPERATING LLC	660 FNL 660 FEL	32.651207,-103.7133102
[229137] COG OPERATING LLC	330 FNL 1650 FEL	32.6521187,-103.7165222
[236183] TANDEM ENERGY CORPORATION	330 FSL 330 FEL	32.6394157,-103.7122269
[236183] TANDEM ENERGY CORPORATION	660 FSL 1650 FEL	32.6403351,-103.7165146
[372137] CHISHOLM ENERGY OPERATING, LLC	990 FSL 660 FEL	32.6267242,-103.7132874
[14744] MEWBOURNE OIL CO	210 FSL 660 FWL	32.62463289,-103.7261137
[14744] MEWBOURNE OIL CO	2450 FSL 660 FWL	32.6307831,-103.72612
[243978] SABER OIL & GAS VENTURES, LLC	660 FSL 660 FEL	32.6258163,-103.7132874
[160825] BC OPERATING, INC.	1980 FNL 350 FEL	32.618557,-103.7122726
[162683] CIMAREX ENERGY CO. OF COLORADO	1980 FNL 660 FEL	32.6185608,-103.7132797
[162683] CIMAREX ENERGY CO. OF COLORADO	1980 FSL 1980 FEL	32.6149979,-103.7175674
[162683] CIMAREX ENERGY CO. OF COLORADO	560 FNL 330 FWL	32.622509,-103.7271805
[372098] MARATHON OIL PERMIAN LLC	1547 FSL 2280 FEL	32.6138191,-103.7185364
[372098] MARATHON OIL PERMIAN LLC	1780 FNL 342 FEL	32.6191197,-103.7122342
[372098] MARATHON OIL PERMIAN LLC	1910 FSL 2256 FEL	32.6148227,-103.71845048
[372098] MARATHON OIL PERMIAN LLC	2010 FSL 2256 FEL	32.61509712,-103.71844836
[372098] MARATHON OIL PERMIAN LLC	660 FNL 660 FEL	32.6221886,-103.7132797
[229137] COG OPERATING LLC	636 FSL 411 FWL	32.640162,-103.709316
[229137] COG OPERATING LLC	660 FSL 1980 FWL	32.640316,-103.7047195
[270329] ENDURANCE RESOURCES LLC	330 FNL 2310 FWL	32.6521034,-103.7036591
[265378] GEORGE A CHASE JR DBA G AND C SERVICE	460 FNL 1650 FWL	32.6517487,-103.7058029
[265378] GEORGE A CHASE JR DBA G AND C SERVICE	1980 FNL 560 FWL	32.6475716,-103.709343

[265378] GEORGE A CHASE JR DBA G AND C SERVICE	660 FNL 660 FWL	32.6511993,-103.7090149
[265378] GEORGE A CHASE JR DBA G AND C SERVICE	330 FNL 1980 FEL	32.6520996,-103.7002945
[265378] GEORGE A CHASE JR DBA G AND C SERVICE	1650 FNL 1980 FEL	32.6484718,-103.7003098
[265378] GEORGE A CHASE JR DBA G AND C SERVICE	1650 FNL 1980 FWL	32.6484756,-103.7047272
[14744] MEWBOURNE OIL CO	1650 FNL 710 FEL	32.648468,-103.6961823
[236183] TANDEM ENERGY CORPORATION	430 FSL 990 FWL	32.6396866,-103.7079391
[12361] KAISER-FRANCIS OIL CO	2310 FSL 1980 FWL	32.6303406,-103.7047119
[228937] MATADOR PRODUCTION COMPANY	227 FNL 2027 FEL	32.63791,-103.7004605
[228937] MATADOR PRODUCTION COMPANY	228 FNL 698 FEL	32.6375885,-103.6962051
[228937] MATADOR PRODUCTION COMPANY	1980 FSL 760 FE	32.6294289,-103.6963882
[37636] ROBINSON OIL INC	990 FSL 2310 FWL	32.6267128,-103.7036362
[37636] ROBINSON OIL INC	1925 FSL 330 FWL	32.6292877,-103.7100754
[37636] ROBINSON OIL INC	1650 FSL 1650 FWL	32.6285286,-103.7057877
[37636] ROBINSON OIL INC	1650 FSL 2310 FEL	32.6285248,-103.7014236
[37636] ROBINSON OIL INC	990 FSL 990 FEL	32.626709,-103.6971436
[37636] ROBINSON OIL INC	1650 FSL 990 FEL	32.628521,-103.6971359
[37636] ROBINSON OIL INC	1790 FSL 1710 FEL	32.6289101,-103.6994781
[37636] ROBINSON OIL INC	600 FSL 2300 FWL	32.6256409,-103.7036667
[37636] ROBINSON OIL INC	1980 FSL 1650 FWL	32.6294365,-103.7057877
[37636] ROBINSON OIL INC	1700 FSL 990 FWL	32.6286659,-103.7079315
[236183] TANDEM ENERGY CORPORATION	660 FNL 1980 FEL	32.6366844,-103.7003403
[236183] TANDEM ENERGY CORPORATION	330 FNL 2310 FWL	32.6375923,-103.7036438
[236183] TANDEM ENERGY CORPORATION	330 FNL 990 FWL	32.6375961,-103.7079391
[229137] COG OPERATING LLC	660 FNL 660 FWL	32.6221809,-103.708992
[229137] COG OPERATING LLC	1980 FNL 660 FWL	32.6185493,-103.708992
[229137] COG OPERATING LLC	660 FNL 585 FWL	32.6221809,-103.7092361
[229137] COG OPERATING LLC	660 FNL 1650 FWL	32.6221771,-103.70578
[229137] COG OPERATING LLC	1980 FNL 585 FWL	32.6185493,-103.7092361
[229137] COG OPERATING LLC	1980 FNL 1905 FWL	32.6185493,-103.7049484
[14744] MEWBOURNE OIL CO	660 FNL 990 FEL	32.6221733,-103.6971512
[14744] MEWBOURNE OIL CO	295 FNL 830 FEL	32.62319904,-103.6966023
[14744] MEWBOURNE OIL CO	185 FNL 1910 FEL	32.62350145,-103.7001093

SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM STATE ROAD 243 AND CR. 126 (MALJAMAR RD.) GO NORTH ON CR. 126 6.0 MILES, TURN RIGHT ON CALICHE ROAD (DRY LAKE RD.) AND GO EAST 5.0 MILES, TURN RIGHT AND GO SOUTH 0.75 MILE, TURN RIGHT AND GO WEST 0.45 MILE TO A ROAD SURVEY AND FOLLOW FLAGS NORTH-NORTHWEST 282' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

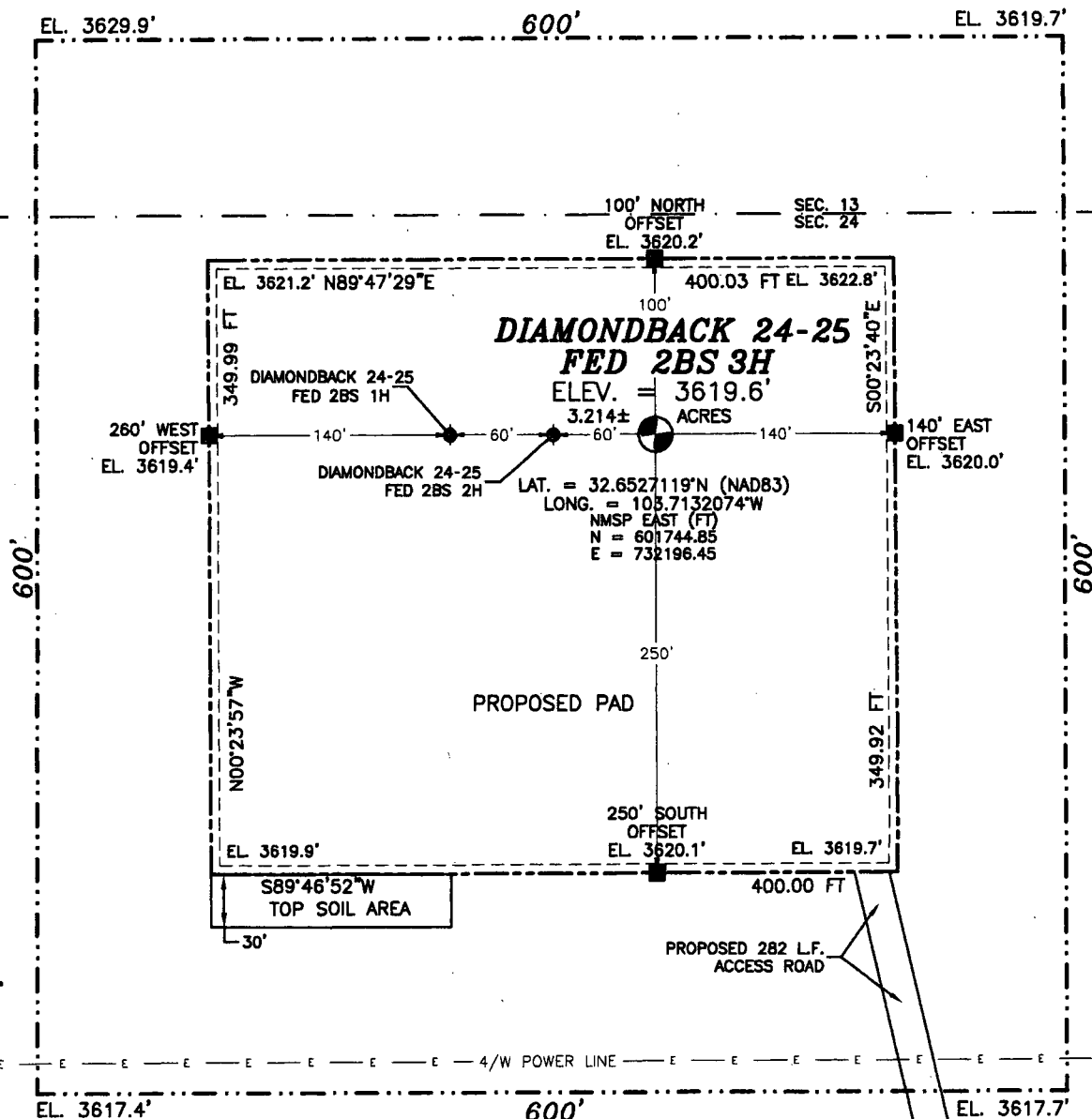
CHISHOLM ENERGY OPERATING, LLC
DIAMONDBACK 24-25 FED 2BS 3H
LOCATED 125 FT. FROM THE NORTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 19 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SEPTEMBER 26, 2017

SURVEY NO. 5588

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP



NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. ELEVATION VALUES ARE NAVD 88.

010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM STATE ROAD 243 AND CR. 126 (MALJAMAR RD.) GO NORTH ON CR. 126 6.0 MILES, TURN RIGHT ON CALICHE ROAD (DRY LAKE RD.) AND GO EAST 5.0 MILES, TURN RIGHT AND GO SOUTH 0.75 MILE, TURN RIGHT AND GO WEST 0.45 MILE TO A ROAD SURVEY AND FOLLOW FLAGS NORTH-NORTHWEST 282' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

CHISHOLM ENERGY OPERATING, LLC
DIAMONDBACK 24-25 FED 2BS 3H
LOCATED 125 FT. FROM THE NORTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 19 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

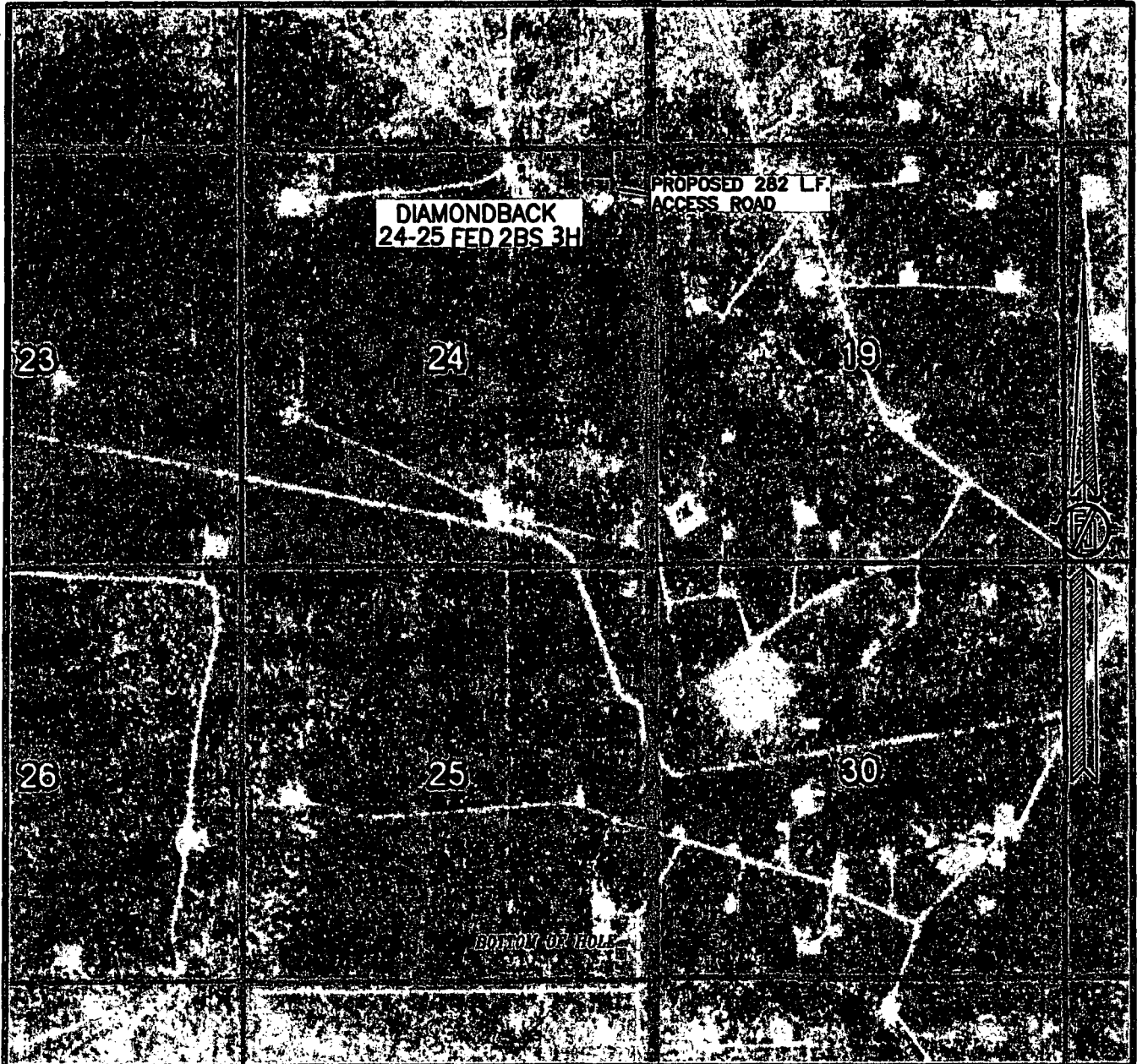
SEPTEMBER 26, 2017

SURVEY NO. 5588

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 24, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEB. 2017

CHISHOLM ENERGY OPERATING, LLC
DIAMONDBACK 24 FED 2BS 3H
LOCATED 125 FT. FROM THE NORTH LINE
AND 630 FT. FROM THE EAST LINE OF
SECTION 24, TOWNSHIP 19 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SEPTEMBER 26, 2017

SURVEY NO. 5588

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



Receipt

Your payment is submitted

Pay.gov Tracking ID: 266D6AIC

Agency Tracking ID: 75377140302

Form Name: Bureau of Land Management (BLM) Application for Permit to Drill (APD) Fee

Application Name: BLM Oil and Gas Online Payment

Payment Information

Payment Type: Bank account (ACH)

Payment Amount: \$29,370.00

Transaction Date: 12/05/2017 01:53:40 PM EST

Payment Date: 12/06/2017

Company: CHISHOLM ENERGY OPERATING, LLC

APD IDs: 10400023642, 10400023579, 10400023405

Lease Numbers: NMNM86144, NMNM86144, NMNM86144

Well Numbers: 3H, 2H, 1H

Note: You will need your Pay.gov Tracking ID to complete your APD transaction in AFMSS II. Please ensure you write this number down upon completion of payment.

Account Information

Account Holder Name: CHISHOLM ENERGY OPERATING, LLC

Routing Number: 114000093

Account Number: *****4470

Email Confirmation Receipt

Confirmation Receipts have been emailed to:

jelrod@chisholmenergy.com

amccullough@chisholmenergy.com



Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:



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

Bond Info Data Report

07/02/2018

Bond Information

Federal/Indian APD: FED

BLM Bond number: NMB001468

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: