Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
OCT 11 2019
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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM97151

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
FLAGLER 8 FEDERAL 35H

2. Name of Operator
DEVON ENERGY PRODUCTION COMPAN
Contact: REBECCA DEAL
E-Mail: Rebecca.Deal@dvn.com

9. API Well No.
30-025-45164-00-X1

3a. Address
333 WEST SHERIDAN AVENUE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)
Ph: 405-228-8429

10. Field and Pool or Exploratory Area
RED HILLS-UP BONE SPRING SHALE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 8 T25S R33E SESE 380FSL 640FEL
32.138897 N Lat, 103.587814 W Lon

11. County or Parish, State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recomplete 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 recompletion 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.

Devon Energy Production Co. L.P. respectfully requests correction to well name. Permitted well name is Flagler 8 Fed Com 35H but should be Flagler 8 Federal 35H. See attached originally submitted C-102.

OCD Hobbs

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #483368 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPAN, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/13/2019 (19PP3174SE)

Name *(Printed/Typed)* REBECCA DEAL — Title REGULATORY COMPLIANCE PROFESSI

Signature (Electronic Submission) — Date 09/13/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By LONG VO — Title PETROLEUM ENGINEER — Date 10/04/2019

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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	DEVON ENERGY PRODUCTION
LEASE NO.:	NMNM097151
WELL NAME & NO.:	35H –FLAGLER 8 FEDERAL
SURFACE HOLE FOOTAGE:	380'/S & 640'/E
BOTTOM HOLE FOOTAGE	330'/N & 360'/E
LOCATION:	Section 8.,T25S., R.33E., NMP
COUNTY:	LEA County, New Mexico

COA

H2S	○ Yes	◉ No	
Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	◉ Low	○ Medium	○ High
Cave/Karst Potential	○ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	○ Multibowl	◉ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☐ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☐ COM	☐ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1150 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8**

hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing shall be set at approximately **5000 feet** is:

   - Cement to surface. If cement does not circulate see B.1.a, c-d above.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

   - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
     Cement excess is less than 25%, more cement might be required.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **3000 (3M)** psi.

Option 2:

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

   a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☒ Eddy County
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
    e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not

hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

e. The results of the test shall be reported to the appropriate BLM office.

f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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	[2] Pool Code	[3] Pool Name
	97900	RED HILLS;UPPER BONE SPRING SHALE

[4] Property Code	[5] Property Name	[6] Well Number
30884	FLAGLER 8 FEDERAL	35H

[7] OGRID No.	[8] Operator Name	[9] Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3431.6

[10] Surface Location

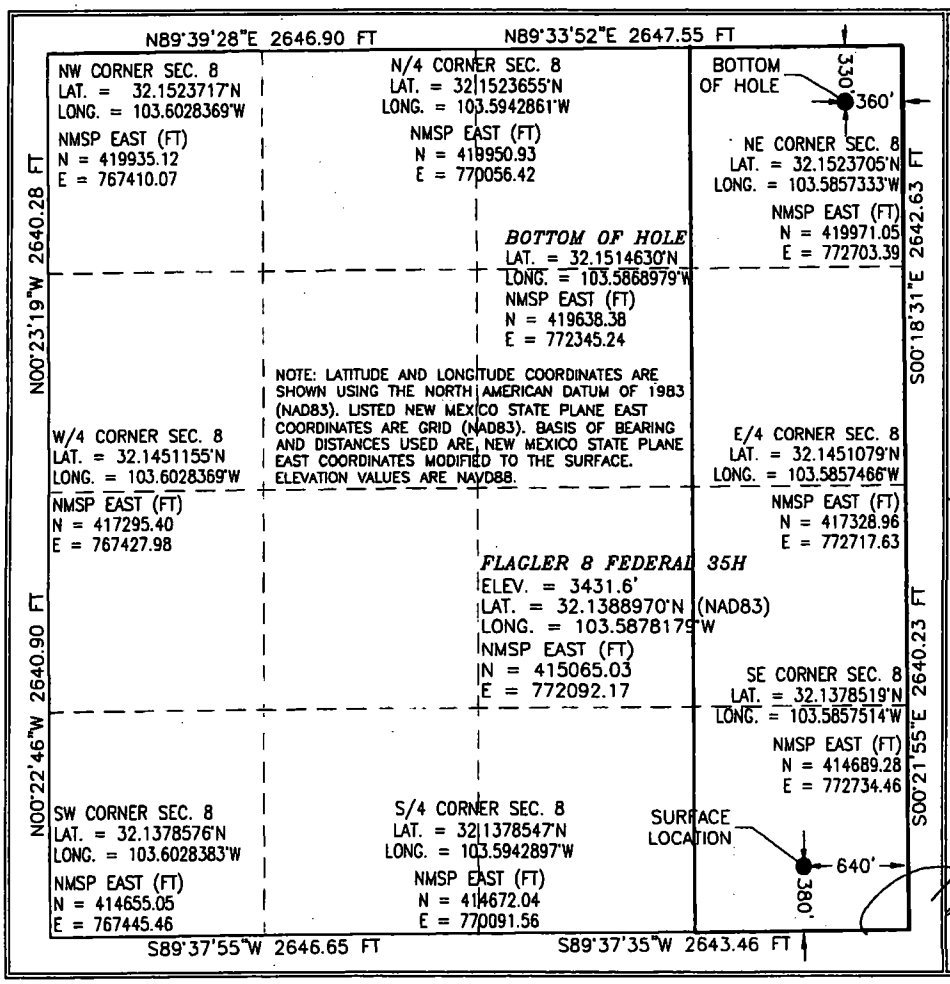
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	25 S	33 E		380	SOUTH	640	EAST	LEA

[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
A	8	25 S	33 E		330	NORTH	360	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
160			

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.

Rebecca Deal 2/27/2018
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

rebecca.deal@dvn.com
E-mail Address

[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.

JANUARY 27, 2018
Date of Survey

FILIMON F. JARAMILLO NEW MEXICO 12797

Signature and Seal of Professional Surveyor:

Certificate Number: FILIMON F. JARAMILLO, PLS 12797

SURVEY NO. 5842A

First Take Point: 330' FSL & 462' FEL, 8-25S-33E
Last Take Point: 330' FNL & 360' FEL, 8-25S-33E

Devon Energy, Flagler 8 Fed 35H

1. Geologic Formations

TVD of target	9,575	Pilot hole depth	N/A
MD at TD:	14,154'	Deepest expected fresh water:	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
RUSTLER	1145		
TOP SALT	1508		
BASE OF SALT	5000		
BELL CANYON	5000		
CHERRY CANYON	6040		
BRUSHY CANYON	7690		
BONE SPRING	9110		
BONE SPRING 1ST	10016		
BONE SPRING 2ND	10610		

*H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17.5"	0	1,150'	13.375"	48	H40	STC	1.125	1	1.6
12.25"	0	5,000'	9.625"	40	J55	LTC	1.125	1	1.6
8.75"	0	14,154'	5.5"	17	P110	BTC	1.125	1	1.6
			BLM Minimum Safety Factor				1.125	1	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	901	14.8	1.33	6.32	6	Lead: Class C Cement + 0.125 lbs/sack Poly-F-Flake
Inter.	511	10.3	3.65	22.06	24	Lead: (50:50) Poz (Silica) 3 lbm/sk Kol-Seal, .125 lbm/sk Poly-E-Flake
	306	14.8	1.33	6.32	6	Tail: Class C Cement + 0.125 lbs/sack Poly-F-Flake
Prod.	446	9	3.27	13.5	21	Lead: Tuned Light Cement
	1221	14.5	1.2	5.31	25	Tail: (50:50) Clas H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

Casing String	TOC	% Excess
13-3/8" Surface	0'	50%
9-5/8" Intermediate	0'	30%
5-1/2" Production	4800'	25%

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
12-1/4"	13-5/8"	3M	Annular	x	50% of working pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	x	
			Other*		
8-3/4"	13-5/8"	3M	Annular	x	50% of working pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	x	
			Other *		
			Annular		
			Blind Ram		

			Pipe Ram			
			Double Ram			
			Other *			

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.	
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.	
	Y	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. Devon proposes using a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. o Wellhead will be installed by wellhead representatives. o If the welding is performed by a third party, the wellhead representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal. o Wellhead representative will install the test plug for the initial BOP test. o Wellhead company will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the packoff, the pack-off and the lower flange will be tested to 3M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time.	

- If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted.
- Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating.
- Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2.

After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 3M will be installed on the wellhead system and will undergo a 250 psi low pressure test followed by a 3,000 psi high pressure test. The 3,000 psi high and 250 psi. Low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2.
After running the 9-5/8' intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 3M will already be installed on the wellhead.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a Kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.

Devon's proposed wellhead manufactures will be EMC Technologies, Cactus Wellhead, or Cameron.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	1150	FW Gel	8.5-9.0	28-34	N/C
1150	5,000	Saturated Brine	10.0-11.0	28-34	N/C
5,000	14,154	Cut Brine	8.5-9.3	28-34	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing.	
X	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Additional logs planned		Interval
	Resistivity	Int. shoe to KOP
	Density	Int. shoe to KOP
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4720 psi
Abnormal Temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S Plan attached

8. Other facets of operation

Is this a walking operation? Yes

1. In the event the spudder rig is unable to drill the surface holes the drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
2. The drilling rig will then batch drill the intermediate sections with either OBM or cut brine and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
3. The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Yes

1. Spudder rig will move in and drill surface hole.
    a. Rig will utilize fresh water based mud to drill 17½" surface hole to TD. Solids control will be handled entirely on a closed loop basis.
2. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
3. The wellhead will be installed and tested once the 13-3/8" surface casing is cut off and the WOC time has been reached.
4. A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
5. Spudder rig operations is expected to take 4-5 days per well on a multi well pad.
6. The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
7. Drilling operations will be performed with the drilling rig. At that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
    a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments

_x_ Directional Plan

___ Other, describe

WCDSC Permian NM

Lea County (NAD83 New Mexico East)
Sec 08-T25S-R33E
Flagler 8 Fed 35H

Wellbore #1

Plan: Permit Plan 1

Standard Planning Report - Geographic

07 March, 2018

Planning Report - Geographic

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference:**	Well Flagler 8 Fed 35H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3456.60ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3456.60ft
Site:	Sec 08-T25S-R33E	**North Reference:**	Grid
Well:	Flagler 8 Fed 35H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Project	Lea County (NAD83 New Mexico East)		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Sec 08-T25S-R33E

Site Position:		**Northing:**	419,281.82 usft	**Latitude:**	32.150539
From:	Map	**Easting:**	769,381.69 usft	**Longitude:**	-103.596481
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.39 °

Well Flagler 8 Fed 35H

Well Position	**+N/-S**	0.00 ft	**Northing:**	415,065.03 usft	**Latitude:**	32.138897
	+E/-W	0.00 ft	**Easting:**	772,092.17 usft	**Longitude:**	-103.587818
Position Uncertainty		0.50 ft	**Wellhead Elevation:**		**Ground Level:**	3,431.60 ft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	3/6/2018	6.88	59.97	47,812.03091549

Design Permit Plan 1

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	2.50

Plan Survey Tool Program **Date** 3/7/2018

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,154.35	Permit Plan 1 (Wellbore #1)	MWD+IGRF	
				OWSG MWD + IGRF or WMM	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,862.31	2.03	155.53	2,862.27	-2.62	1.19	1.25	1.25	0.00	155.53	
8,168.13	2.03	155.53	8,164.77	-173.58	79.01	0.00	0.00	0.00	0.00	
8,303.39	0.00	0.00	8,300.00	-175.75	80.00	1.50	-1.50	0.00	180.00	Vertical Point - Flagle
8,653.39	0.00	0.00	8,650.00	-175.75	80.00	0.00	0.00	0.00	0.00	
8,845.97	19.30	155.55	8,838.95	-205.01	93.30	10.02	10.02	0.00	155.55	
9,918.67	90.00	0.00	9,575.00	340.00	200.00	10.02	6.59	-14.50	-154.28	
14,154.35	90.00	0.00	9,575.00	4,575.68	200.00	0.00	0.00	0.00	0.00	PBHL - Flagler 8 Fed

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference:**	Well Flagler 8 Fed 35H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3456.60ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3456.60ft
Site:	Sec 08-T25S-R33E	**North Reference:**	Grid
Well:	Flagler 8 Fed 35H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
100.00	0.00	0.00	100.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
200.00	0.00	0.00	200.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
300.00	0.00	0.00	300.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
400.00	0.00	0.00	400.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
500.00	0.00	0.00	500.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
600.00	0.00	0.00	600.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
700.00	0.00	0.00	700.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
800.00	0.00	0.00	800.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
900.00	0.00	0.00	900.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,000.00	0.00	0.00	1,000.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,100.00	0.00	0.00	1,100.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,200.00	0.00	0.00	1,200.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,300.00	0.00	0.00	1,300.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,400.00	0.00	0.00	1,400.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,500.00	0.00	0.00	1,500.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,600.00	0.00	0.00	1,600.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,700.00	0.00	0.00	1,700.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,800.00	0.00	0.00	1,800.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
1,900.00	0.00	0.00	1,900.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,000.00	0.00	0.00	2,000.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,100.00	0.00	0.00	2,100.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,200.00	0.00	0.00	2,200.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,300.00	0.00	0.00	2,300.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,400.00	0.00	0.00	2,400.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,500.00	0.00	0.00	2,500.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,600.00	0.00	0.00	2,600.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
2,700.00	0.00	0.00	2,700.00	0.00	0.00	415,065.03	772,092.17	32.138897	-103.587818
Begin Nudge									
2,800.00	1.25	155.53	2,799.99	-0.99	0.45	415,064.04	772,092.62	32.138894	-103.587817
2,862.31	2.03	155.53	2,862.28	-2.62	1.19	415,062.41	772,093.36	32.138890	-103.587814
EOB									
2,900.00	2.03	155.53	2,899.94	-3.83	1.74	415,061.20	772,093.91	32.138887	-103.587813
3,000.00	2.03	155.53	2,999.88	-7.05	3.21	415,057.98	772,095.38	32.138878	-103.587808
3,100.00	2.03	155.53	3,099.82	-10.27	4.68	415,054.76	772,096.84	32.138869	-103.587803
3,200.00	2.03	155.53	3,199.75	-13.50	6.14	415,051.53	772,098.31	32.138860	-103.587799
3,300.00	2.03	155.53	3,299.69	-16.72	7.61	415,048.31	772,099.78	32.138851	-103.587794
3,400.00	2.03	155.53	3,399.63	-19.94	9.08	415,045.09	772,101.24	32.138842	-103.587789
3,500.00	2.03	155.53	3,499.57	-23.16	10.54	415,041.87	772,102.71	32.138833	-103.587785
3,600.00	2.03	155.53	3,599.50	-26.38	12.01	415,038.64	772,104.18	32.138824	-103.587780
3,700.00	2.03	155.53	3,699.44	-29.61	13.48	415,035.42	772,105.64	32.138815	-103.587775
3,800.00	2.03	155.53	3,799.38	-32.83	14.94	415,032.20	772,107.11	32.138807	-103.587771
3,900.00	2.03	155.53	3,899.32	-36.05	16.41	415,028.98	772,108.58	32.138798	-103.587766
4,000.00	2.03	155.53	3,999.25	-39.27	17.88	415,025.76	772,110.04	32.138789	-103.587761
4,100.00	2.03	155.53	4,099.19	-42.50	19.34	415,022.53	772,111.51	32.138780	-103.587757
4,200.00	2.03	155.53	4,199.13	-45.72	20.81	415,019.31	772,112.98	32.138771	-103.587752
4,300.00	2.03	155.53	4,299.06	-48.94	22.28	415,016.09	772,114.44	32.138762	-103.587747
4,400.00	2.03	155.53	4,399.00	-52.16	23.74	415,012.87	772,115.91	32.138753	-103.587743
4,500.00	2.03	155.53	4,498.94	-55.38	25.21	415,009.65	772,117.38	32.138744	-103.587738
4,600.00	2.03	155.53	4,598.88	-58.61	26.68	415,006.42	772,118.84	32.138735	-103.587733
4,700.00	2.03	155.53	4,698.81	-61.83	28.14	415,003.20	772,120.31	32.138727	-103.587729
4,800.00	2.03	155.53	4,798.75	-65.05	29.61	414,999.98	772,121.78	32.138718	-103.587724
4,900.00	2.03	155.53	4,898.69	-68.27	31.08	414,996.76	772,123.24	32.138709	-103.587719
5,000.00	2.03	155.53	4,998.63	-71.49	32.54	414,993.54	772,124.71	32.138700	-103.587715

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference:**	Well Flagler 8 Fed 35H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3456.60ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3456.60ft
Site:	Sec 08-T25S-R33E	**North Reference:**	Grid
Well:	Flagler 8 Fed 35H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,100.00	2.03	155.53	5,098.56	-74.72	34.01	414,990.31	772,126.18	32.138691	-103.587710
5,200.00	2.03	155.53	5,198.50	-77.94	35.48	414,987.09	772,127.64	32.138682	-103.587705
5,300.00	2.03	155.53	5,298.44	-81.16	36.94	414,983.87	772,129.11	32.138673	-103.587701
5,400.00	2.03	155.53	5,398.38	-84.38	38.41	414,980.65	772,130.58	32.138664	-103.587696
5,500.00	2.03	155.53	5,498.31	-87.60	39.88	414,977.42	772,132.04	32.138656	-103.587691
5,600.00	2.03	155.53	5,598.25	-90.83	41.34	414,974.20	772,133.51	32.138647	-103.587687
5,700.00	2.03	155.53	5,698.19	-94.05	42.81	414,970.98	772,134.98	32.138638	-103.587682
5,800.00	2.03	155.53	5,798.12	-97.27	44.28	414,967.76	772,136.44	32.138629	-103.587677
5,900.00	2.03	155.53	5,898.06	-100.49	45.74	414,964.54	772,137.91	32.138620	-103.587673
6,000.00	2.03	155.53	5,998.00	-103.72	47.21	414,961.31	772,139.38	32.138611	-103.587668
6,100.00	2.03	155.53	6,097.94	-106.94	48.68	414,958.09	772,140.84	32.138602	-103.587663
6,200.00	2.03	155.53	6,197.87	-110.16	50.14	414,954.87	772,142.31	32.138593	-103.587659
6,300.00	2.03	155.53	6,297.81	-113.38	51.61	414,951.65	772,143.78	32.138584	-103.587654
6,400.00	2.03	155.53	6,397.75	-116.60	53.08	414,948.43	772,145.24	32.138576	-103.587649
6,500.00	2.03	155.53	6,497.69	-119.83	54.54	414,945.20	772,146.71	32.138567	-103.587645
6,600.00	2.03	155.53	6,597.62	-123.05	56.01	414,941.98	772,148.18	32.138558	-103.587640
6,700.00	2.03	155.53	6,697.56	-126.27	57.48	414,938.76	772,149.64	32.138549	-103.587635
6,800.00	2.03	155.53	6,797.50	-129.49	58.94	414,935.54	772,151.11	32.138540	-103.587631
6,900.00	2.03	155.53	6,897.44	-132.71	60.41	414,932.32	772,152.58	32.138531	-103.587626
7,000.00	2.03	155.53	6,997.37	-135.94	61.88	414,929.09	772,154.04	32.138522	-103.587621
7,100.00	2.03	155.53	7,097.31	-139.16	63.34	414,925.87	772,155.51	32.138513	-103.587617
7,200.00	2.03	155.53	7,197.25	-142.38	64.81	414,922.65	772,156.98	32.138504	-103.587612
7,300.00	2.03	155.53	7,297.18	-145.60	66.28	414,919.43	772,158.44	32.138496	-103.587607
7,400.00	2.03	155.53	7,397.12	-148.83	67.74	414,916.20	772,159.91	32.138487	-103.587603
7,500.00	2.03	155.53	7,497.06	-152.05	69.21	414,912.98	772,161.38	32.138478	-103.587598
7,600.00	2.03	155.53	7,597.00	-155.27	70.68	414,909.76	772,162.84	32.138469	-103.587593
7,700.00	2.03	155.53	7,696.93	-158.49	72.14	414,906.54	772,164.31	32.138460	-103.587589
7,800.00	2.03	155.53	7,796.87	-161.71	73.61	414,903.32	772,165.78	32.138451	-103.587584
7,900.00	2.03	155.53	7,896.81	-164.94	75.08	414,900.09	772,167.24	32.138442	-103.587579
8,000.00	2.03	155.53	7,996.75	-168.16	76.54	414,896.87	772,168.71	32.138433	-103.587575
8,100.00	2.03	155.53	8,096.68	-171.38	78.01	414,893.65	772,170.18	32.138425	-103.587570
8,168.13	2.03	155.53	8,164.77	-173.58	79.01	414,891.45	772,171.18	32.138418	-103.587567
EOH									
8,200.00	1.55	155.53	8,196.62	-174.48	79.42	414,890.55	772,171.59	32.138416	-103.587565
8,300.00	0.05	155.53	8,296.61	-175.75	80.00	414,889.28	772,172.17	32.138412	-103.587564
8,303.39	0.00	0.00	8,300.00	-175.75	80.00	414,889.28	772,172.17	32.138412	-103.587564
Drop to Vertical									
8,400.00	0.00	0.00	8,396.61	-175.75	80.00	414,889.28	772,172.17	32.138412	-103.587564
8,500.00	0.00	0.00	8,496.61	-175.75	80.00	414,889.28	772,172.17	32.138412	-103.587564
8,600.00	0.00	0.00	8,596.61	-175.75	80.00	414,889.28	772,172.17	32.138412	-103.587564
8,653.39	0.00	0.00	8,650.00	-175.75	80.00	414,889.28	772,172.17	32.138412	-103.587564
KOP @ 8653' MD, 204' FSL, 560' FEL									
8,700.00	4.67	155.55	8,696.56	-177.48	80.79	414,887.55	772,172.95	32.138408	-103.587561
8,800.00	14.70	155.55	8,795.01	-192.78	87.74	414,872.25	772,179.91	32.138366	-103.587539
8,845.97	19.30	155.55	8,838.96	-205.01	93.30	414,860.02	772,185.47	32.138332	-103.587521
155.55° TF									
8,900.00	14.61	146.21	8,890.63	-218.81	100.79	414,846.22	772,192.96	32.138294	-103.587497
9,000.00	8.50	104.18	8,988.72	-231.14	115.01	414,833.89	772,207.18	32.138260	-103.587452
9,100.00	11.43	45.78	9,087.43	-226.02	129.32	414,839.01	772,221.49	32.138273	-103.587405
9,200.00	19.72	23.86	9,183.75	-203.63	143.28	414,861.40	772,235.45	32.138335	-103.587360
9,300.00	29.09	15.10	9,274.75	-164.64	156.47	414,900.39	772,248.64	32.138442	-103.587316
9,400.00	38.77	10.40	9,357.64	-110.24	168.49	414,954.79	772,260.66	32.138591	-103.587276
9,489.27	47.51	7.63	9,422.72	-50.00	177.92	415,015.03	772,270.09	32.138756	-103.587244
1st Take Point @ 9489' MD, 330' FSL, 462' FEL									

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference:**	Well Flagler 8 Fed 35H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3456.60ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3456.60ft
Site:	Sec 08-T25S-R33E	**North Reference:**	Grid
Well:	Flagler 8 Fed 35H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,500.00	48.57	7.35	9,429.89	-42.09	178.96	415,022.94	772,271.13	32.138778	-103.587241
9,600.00	58.43	5.11	9,489.31	37.72	187.58	415,102.75	772,279.74	32.138997	-103.587211
9,700.00	68.32	3.30	9,534.07	126.77	194.07	415,191.80	772,286.23	32.139242	-103.587188
9,800.00	78.23	1.73	9,562.81	222.32	198.23	415,287.35	772,290.40	32.139504	-103.587173
9,900.00	88.15	0.27	9,574.65	321.48	199.95	415,386.50	772,292.12	32.139777	-103.587165
9,918.67	90.00	0.00	9,575.00	340.00	200.00	415,405.03	772,292.17	32.139828	-103.587164
Land Point									
10,000.00	90.00	0.00	9,575.00	421.33	200.00	415,486.36	772,292.17	32.140051	-103.587163
10,100.00	90.00	0.00	9,575.00	521.33	200.00	415,586.36	772,292.17	32.140326	-103.587160
10,200.00	90.00	0.00	9,575.00	621.33	200.00	415,686.36	772,292.17	32.140601	-103.587158
10,300.00	90.00	0.00	9,575.00	721.33	200.00	415,786.36	772,292.17	32.140876	-103.587156
10,400.00	90.00	0.00	9,575.00	821.33	200.00	415,886.36	772,292.17	32.141151	-103.587154
10,500.00	90.00	0.00	9,575.00	921.33	200.00	415,986.36	772,292.17	32.141426	-103.587151
10,600.00	90.00	0.00	9,575.00	1,021.33	200.00	416,086.36	772,292.17	32.141701	-103.587149
10,700.00	90.00	0.00	9,575.00	1,121.33	200.00	416,186.36	772,292.17	32.141975	-103.587147
10,800.00	90.00	0.00	9,575.00	1,221.33	200.00	416,286.36	772,292.17	32.142250	-103.587145
10,900.00	90.00	0.00	9,575.00	1,321.33	200.00	416,386.36	772,292.17	32.142525	-103.587142
11,000.00	90.00	0.00	9,575.00	1,421.33	200.00	416,486.36	772,292.17	32.142800	-103.587140
11,100.00	90.00	0.00	9,575.00	1,521.33	200.00	416,586.36	772,292.17	32.143075	-103.587138
11,200.00	90.00	0.00	9,575.00	1,621.33	200.00	416,686.36	772,292.17	32.143350	-103.587136
11,300.00	90.00	0.00	9,575.00	1,721.33	200.00	416,786.36	772,292.17	32.143625	-103.587134
11,400.00	90.00	0.00	9,575.00	1,821.33	200.00	416,886.36	772,292.17	32.143900	-103.587131
11,500.00	90.00	0.00	9,575.00	1,921.33	200.00	416,986.36	772,292.17	32.144174	-103.587129
11,600.00	90.00	0.00	9,575.00	2,021.33	200.00	417,086.36	772,292.17	32.144449	-103.587127
11,700.00	90.00	0.00	9,575.00	2,121.33	200.00	417,186.36	772,292.17	32.144724	-103.587125
11,800.00	90.00	0.00	9,575.00	2,221.33	200.00	417,286.36	772,292.17	32.144999	-103.587122
11,900.00	90.00	0.00	9,575.00	2,321.33	200.00	417,386.36	772,292.17	32.145274	-103.587120
12,000.00	90.00	0.00	9,575.00	2,421.33	200.00	417,486.36	772,292.17	32.145549	-103.587118
12,100.00	90.00	0.00	9,575.00	2,521.33	200.00	417,586.36	772,292.17	32.145824	-103.587116
12,200.00	90.00	0.00	9,575.00	2,621.33	200.00	417,686.36	772,292.17	32.146099	-103.587113
12,300.00	90.00	0.00	9,575.00	2,721.33	200.00	417,786.36	772,292.17	32.146373	-103.587111
12,400.00	90.00	0.00	9,575.00	2,821.33	200.00	417,886.36	772,292.17	32.146648	-103.587109
12,500.00	90.00	0.00	9,575.00	2,921.33	200.00	417,986.36	772,292.17	32.146923	-103.587107
12,600.00	90.00	0.00	9,575.00	3,021.33	200.00	418,086.36	772,292.17	32.147198	-103.587104
12,700.00	90.00	0.00	9,575.00	3,121.33	200.00	418,186.36	772,292.17	32.147473	-103.587102
12,800.00	90.00	0.00	9,575.00	3,221.33	200.00	418,286.36	772,292.17	32.147748	-103.587100
12,900.00	90.00	0.00	9,575.00	3,321.33	200.00	418,386.36	772,292.17	32.148023	-103.587098
13,000.00	90.00	0.00	9,575.00	3,421.33	200.00	418,486.36	772,292.17	32.148297	-103.587095
13,100.00	90.00	0.00	9,575.00	3,521.33	200.00	418,586.36	772,292.17	32.148572	-103.587093
13,200.00	90.00	0.00	9,575.00	3,621.33	200.00	418,686.36	772,292.17	32.148847	-103.587091
13,300.00	90.00	0.00	9,575.00	3,721.33	200.00	418,786.36	772,292.17	32.149122	-103.587089
13,400.00	90.00	0.00	9,575.00	3,821.33	200.00	418,886.36	772,292.17	32.149397	-103.587087
13,500.00	90.00	0.00	9,575.00	3,921.33	200.00	418,986.36	772,292.17	32.149672	-103.587084
13,600.00	90.00	0.00	9,575.00	4,021.33	200.00	419,086.35	772,292.17	32.149947	-103.587082
13,700.00	90.00	0.00	9,575.00	4,121.33	200.00	419,186.35	772,292.17	32.150222	-103.587080
13,800.00	90.00	0.00	9,575.00	4,221.33	200.00	419,286.35	772,292.17	32.150496	-103.587078
13,900.00	90.00	0.00	9,575.00	4,321.33	200.00	419,386.35	772,292.17	32.150771	-103.587075
14,000.00	90.00	0.00	9,575.00	4,421.33	200.00	419,486.35	772,292.17	32.151046	-103.587073
14,100.00	90.00	0.00	9,575.00	4,521.33	200.00	419,586.35	772,292.17	32.151321	-103.587071
14,154.35	90.00	0.00	9,575.00	4,575.68	200.00	419,640.70	772,292.17	32.151470	-103.587070
PBHL; 330' FNL, 360' FEL									

Database:	EDM r5000.141_Prod US	**Local Co-ordinate Reference:**	Well Flagler 8 Fed 35H
Company:	WCDSC Permian NM	**TVD Reference:**	RKB @ 3456.60ft
Project:	Lea County (NAD83 New Mexico East)	**MD Reference:**	RKB @ 3456.60ft
Site:	Sec 08-T25S-R33E	**North Reference:**	Grid
Well:	Flagler 8 Fed 35H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Design Targets

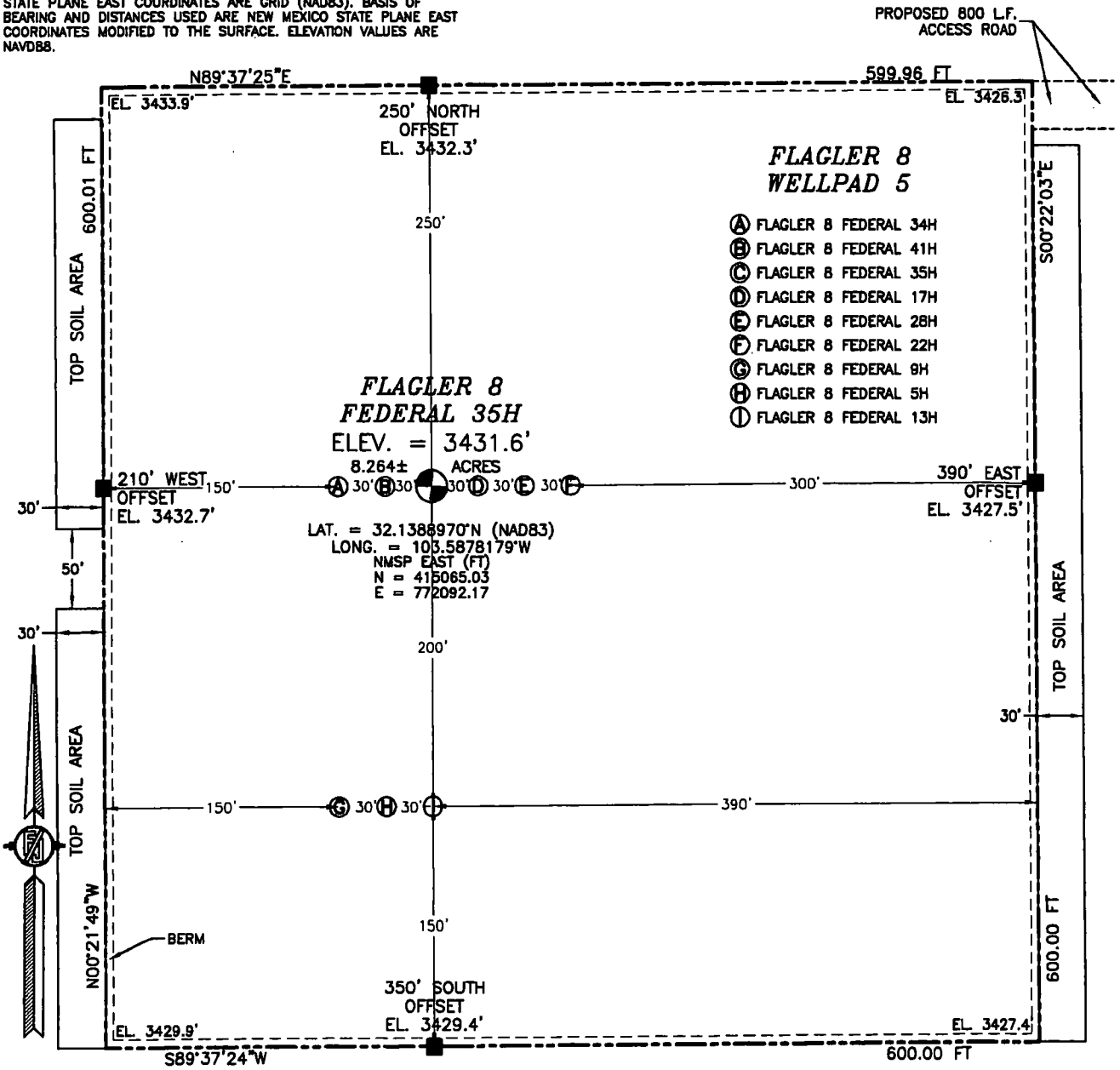
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL - Flagler 8 Fed 35 - plan misses target center by 4580.36ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	4,573.36	253.07	419,638.38	772,345.24	32.151463	-103.586898
Vertical Point - Flagler 8 - plan hits target center - Point	0.00	0.00	8,300.00	-175.75	80.00	414,889.28	772,172.17	32.138412	-103.587564

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,700.00	2,700.00	0.00	0.00	Begin Nudge
2,862.31	2,862.28	-2.62	1.19	EOB
8,168.13	8,164.77	-173.58	79.01	EOH
8,303.39	8,300.00	-175.75	80.00	Drop to Vertical
8,653.39	8,650.00	-175.75	80.00	KOP @ 8653' MD, 204' FSL, 560' FEL
8,845.97	8,838.96	-205.01	93.30	155.55° TF
9,489.27	9,422.72	-50.00	177.92	1st Take Point @ 9489' MD, 330' FSL, 462' FEL
9,918.67	9,575.00	340.00	200.00	Land Point
14,154.35	9,575.00	4,575.68	200.00	PBHL; 330' FNL, 360' FEL

SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 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 NAVD88.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HWY. 128 & DIAMOND ROAD, GO SOUTH ON DIAMOND ROAD APPROX. 2.4 MILES WHERE PAVEMENT ENDS & RANCH HOUSE, CONTINUE SOUTH APPROX. 0.5 MILE TO A "Y" INTERSECTION, GO SOUTH APPROX. 0.8 MILE TO A CATTLE GUARD, CONTINUE SOUTH APPROX. 1.1 MILE TO A "Y" INTERSECTION, GO SOUTHWEST ON LEASE ROAD APPROX 0.8 MILE TO A LEASE ROAD ON RIGHT (WEST), TURN WEST (RIGHT) GO 1.0 MILE TO GATE, GO THROUGH GATE, TURN SOUTH ON TRAIL ROAD GO SOUTH 670' TO A PROPOSED "T" INTERSECTION, CONTINUE SOUTH AND WEST 800' TO THE NORTHEAST PAD CORNER FOR THIS LOCATION.

DEVON ENERGY PRODUCTION COMPANY, L.P.

FLAGLER 8 FEDERAL 35H

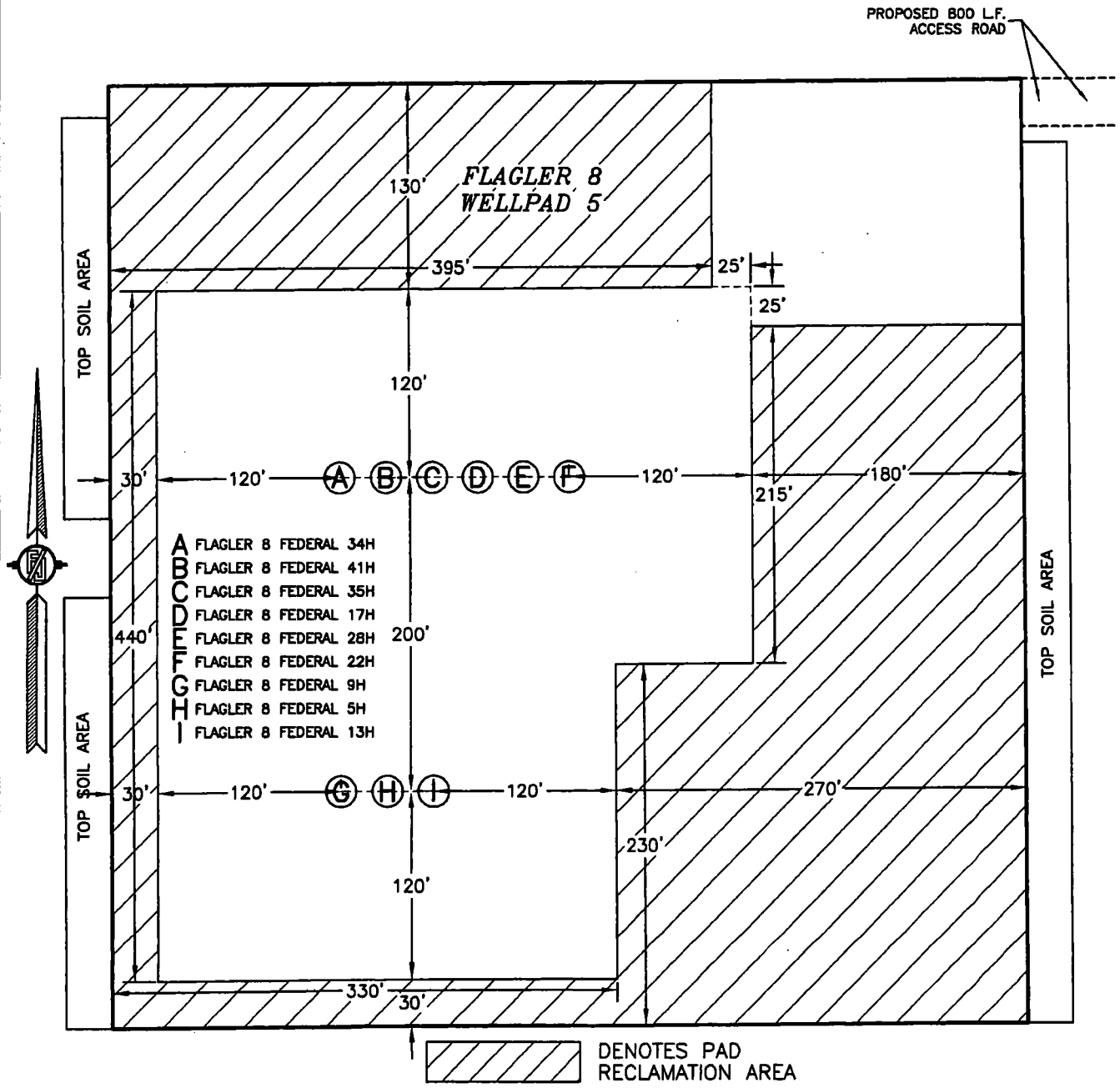
LOCATED 380 FT. FROM THE SOUTH LINE AND 640 FT. FROM THE EAST LINE OF SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO

JANUARY 27, 2018

SURVEY NO. 6842A

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

SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE BUILD PLAN



010 50 100 200
SCALE 1" = 100'

4.023± ACRES PAD RECLAMATION AREA
4.241± ACRES NON-RECLAIMED AREA
8.264± ACRES FLAGLER 8 WELLPAD 5

DEVON ENERGY PRODUCTION COMPANY, L.P.
FLAGLER 8 FEDERAL 35H
LOCATED 380 FT. FROM THE SOUTH LINE AND 640 FT. FROM THE EAST LINE OF SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

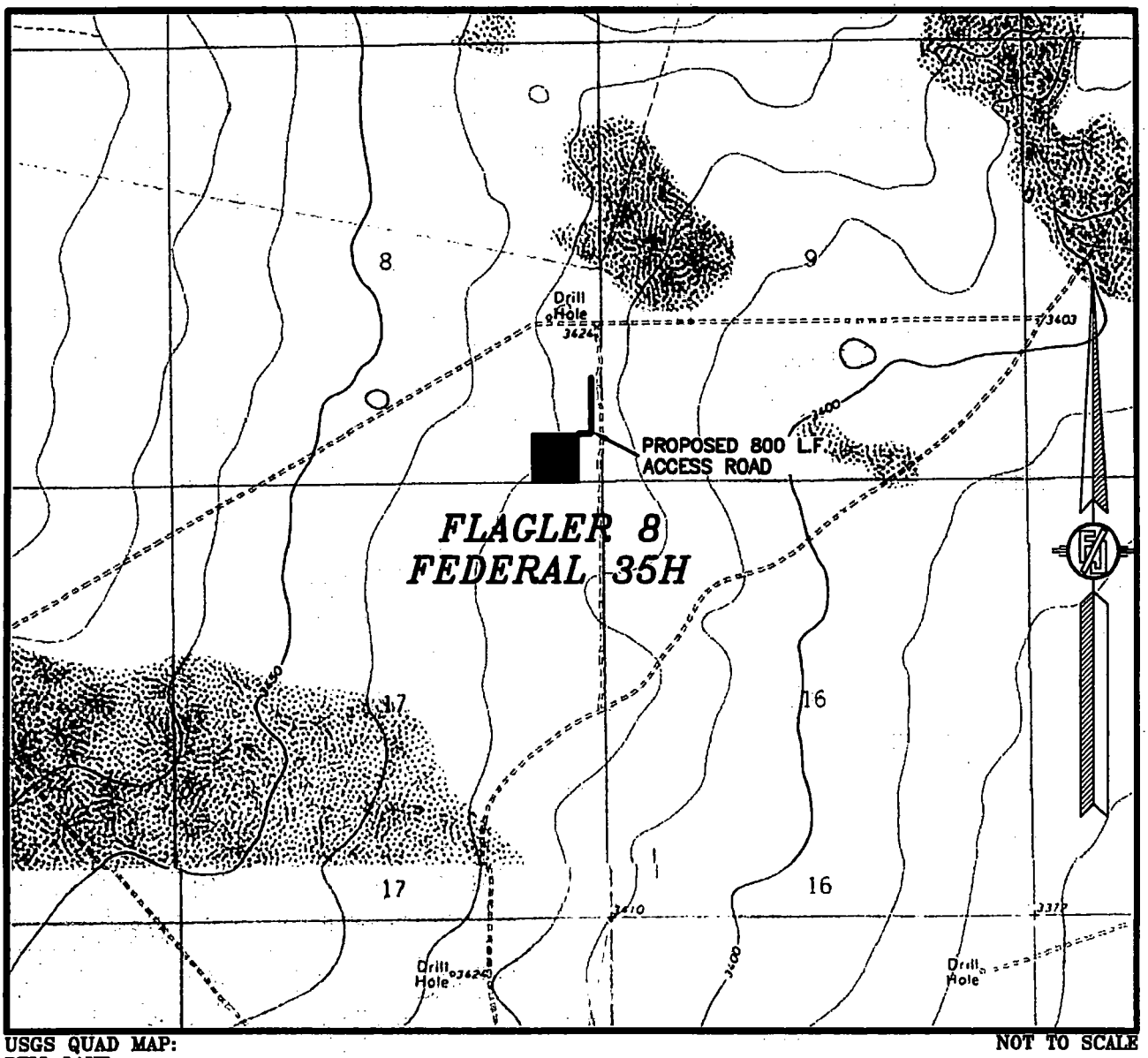
JANUARY 27, 2018

SURVEY NO. 5842A

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

SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

LOCATION VERIFICATION MAP



USGS QUAD MAP:
BELL LAKE

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

FLAGLER 8 FEDERAL 35H

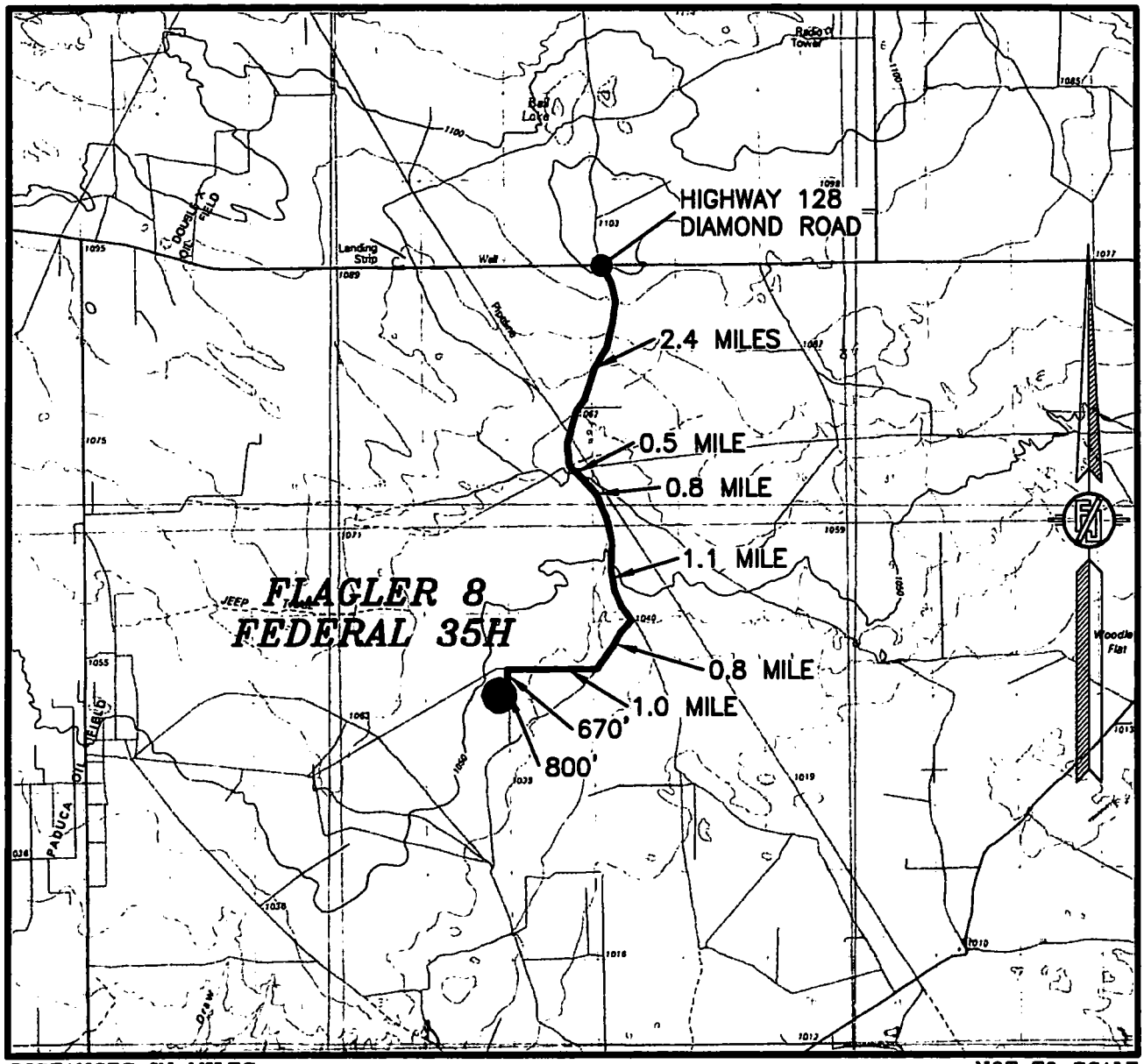
LOCATED 380 FT. FROM THE SOUTH LINE
AND 640 FT. FROM THE EAST LINE OF
SECTION 8, TOWNSHIP 25 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

JANUARY 27, 2018

SURVEY NO. 5842A

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

SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES *NOT TO SCALE*

DIRECTIONS TO LOCATION
FROM THE INTERSECTION OF HWY. 128 & DIAMOND ROAD, GO SOUTH ON DIAMOND ROAD APPROX. 2.4 MILES WHERE PAVEMENT ENDS & RANCH HOUSE, CONTINUE SOUTH APPROX. 0.5 MILE TO A "Y" INTERSECTION, GO SOUTH APPROX. 0.8 MILE TO A CATTLE GUARD, CONTINUE SOUTH APPROX. 1.1 MILE TO A "Y" INTERSECTION, GO SOUTHWEST ON LEASE ROAD APPROX 0.8 MILE TO A LEASE ROAD ON RIGHT (WEST), TURN WEST (RIGHT) GO 1.0 MILE TO GATE, GO THROUGH GATE, TURN SOUTH ON TRAIL ROAD GO SOUTH 670' TO A PROPOSED "T" INTERSECTION, CONTINUE SOUTH AND WEST 800' TO THE NORTHEAST PAD CORNER FOR THIS LOCATION.

DEVON ENERGY PRODUCTION COMPANY, L.P.
FLAGLER 8 FEDERAL 35H
LOCATED 380 FT. FROM THE SOUTH LINE AND 640 FT. FROM THE EAST LINE OF SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M. LEA COUNTY, STATE OF NEW MEXICO

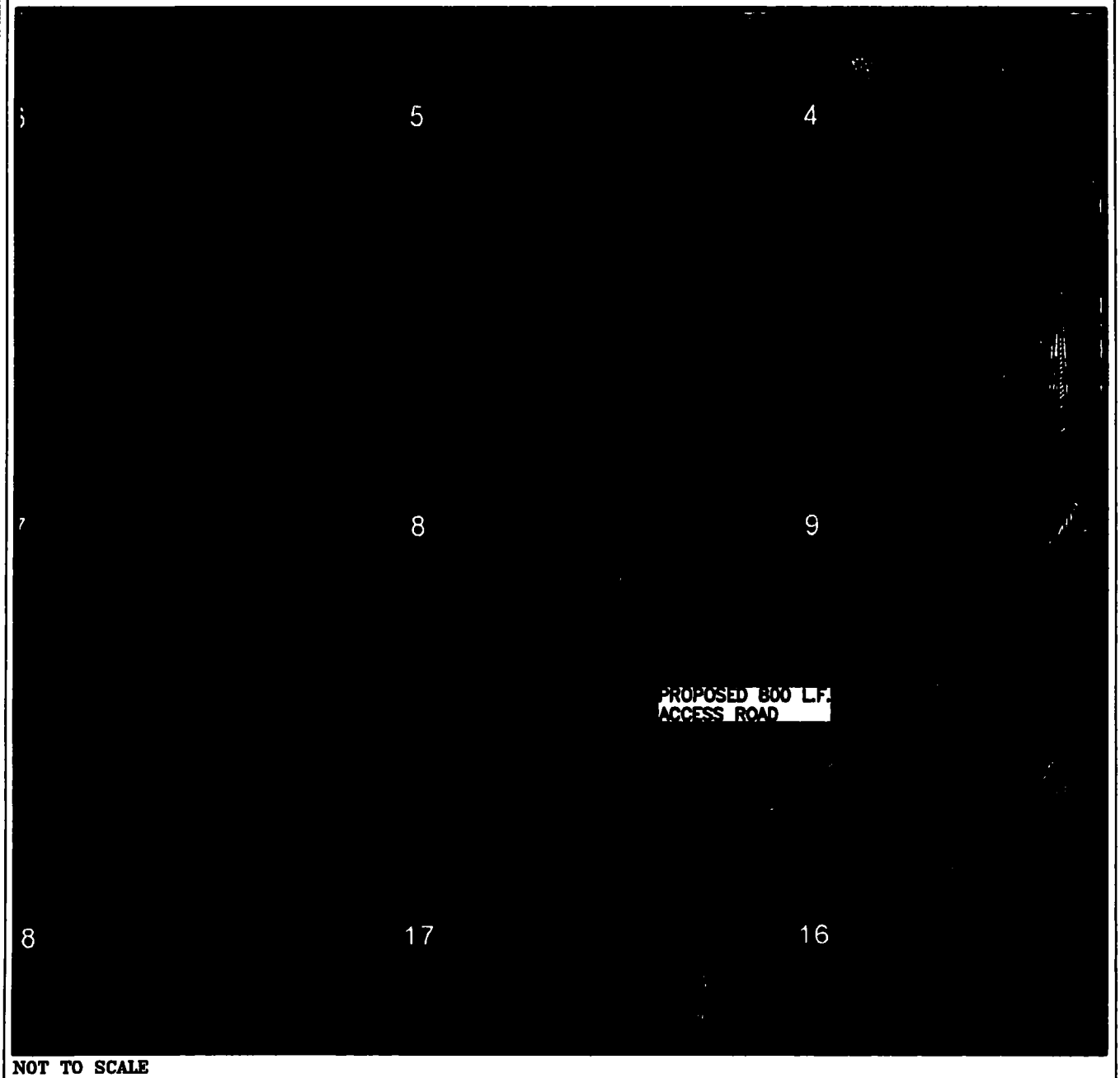
JANUARY 27, 2018

SURVEY NO. 5842A

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

SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
NOV. 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.

FLAGLER 8 FEDERAL 35H

LOCATED 380 FT. FROM THE SOUTH LINE
AND 640 FT. FROM THE EAST LINE OF
SECTION 8, TOWNSHIP 25 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

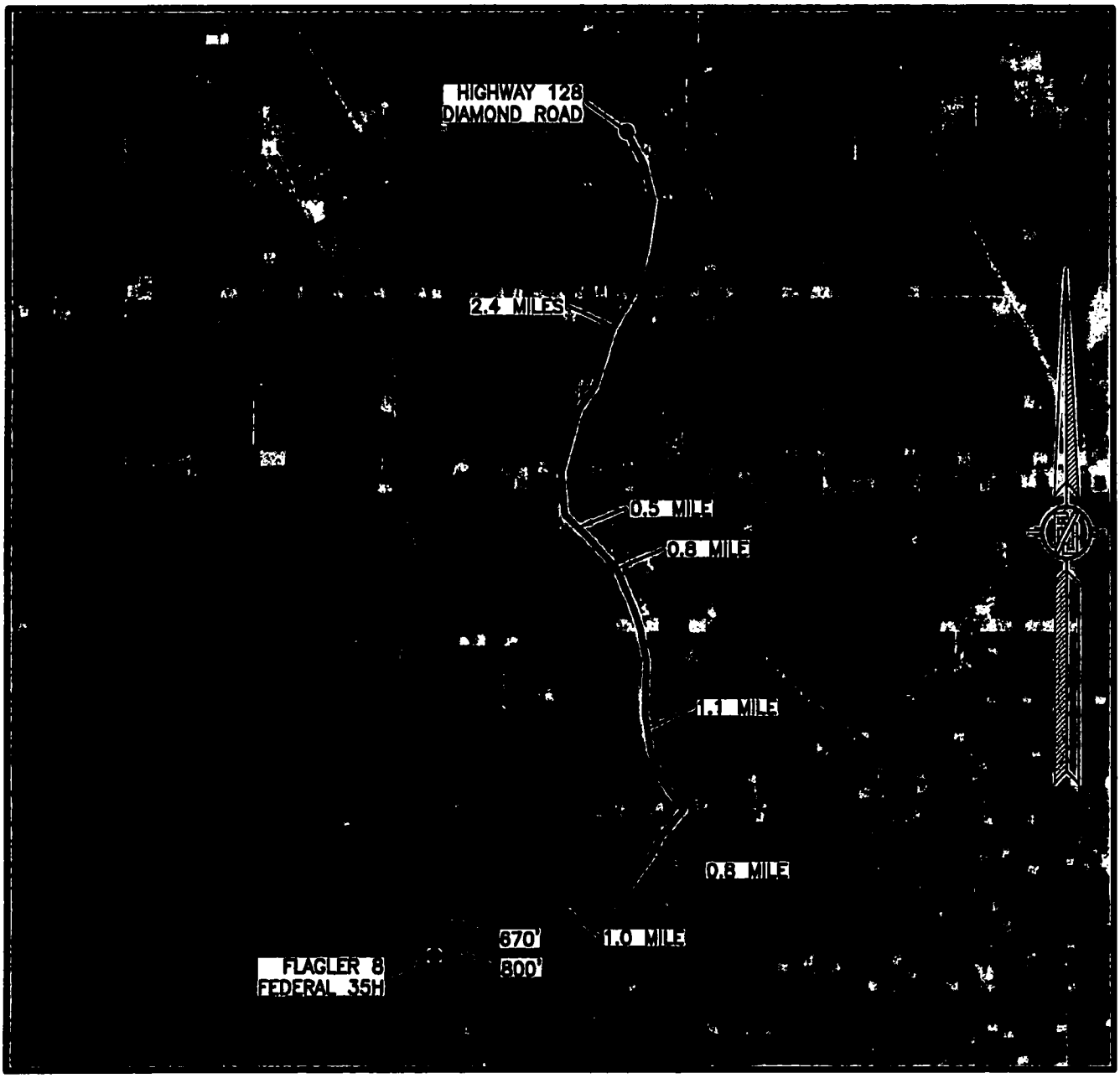
JANUARY 27, 2018

SURVEY NO. 5842A

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

SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

AERIAL ACCESS ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
NOV. 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.

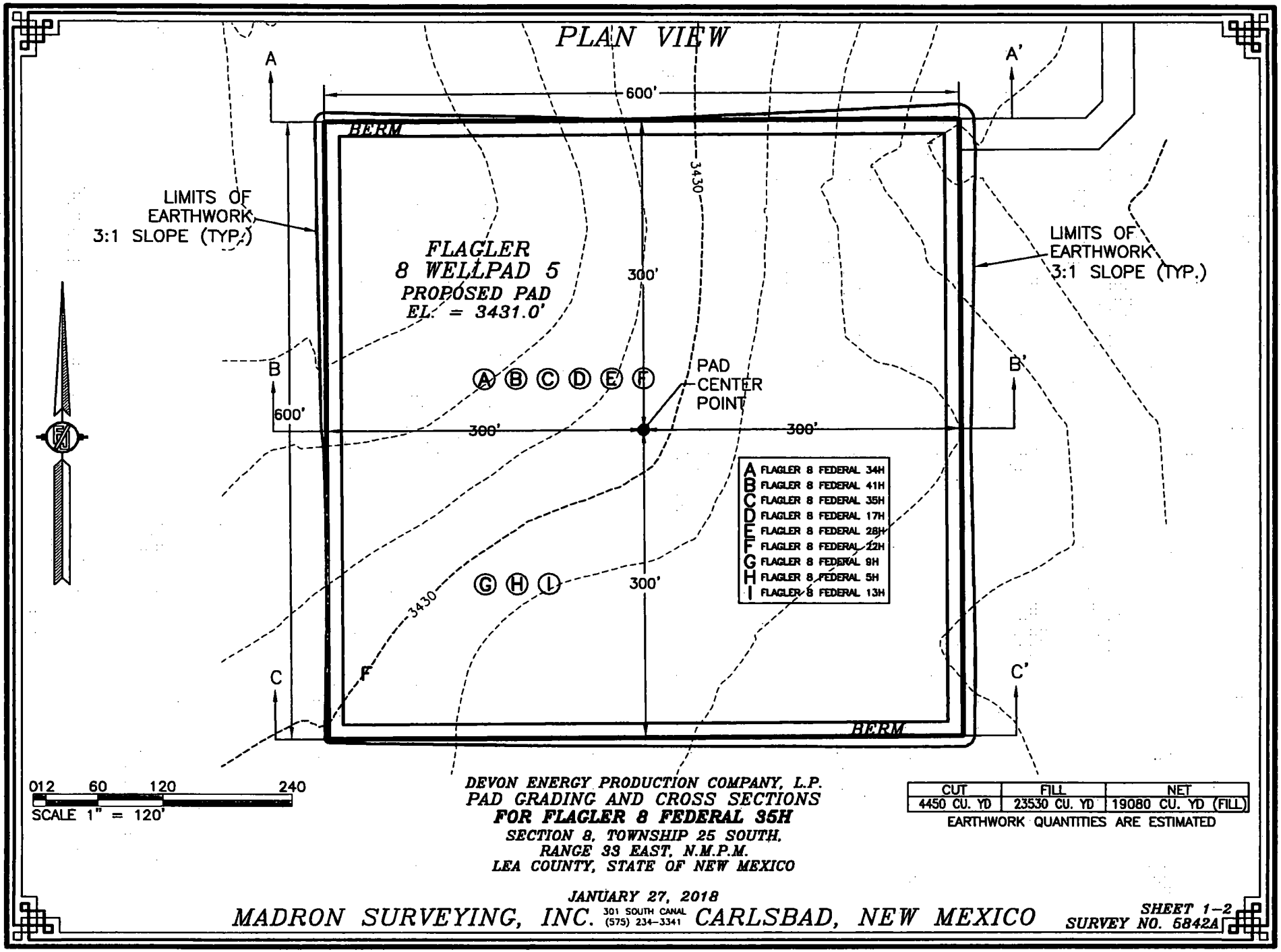
FLAGLER 8 FEDERAL 35H

LOCATED 380 FT. FROM THE SOUTH LINE
AND 640 FT. FROM THE EAST LINE OF
SECTION 8, TOWNSHIP 25 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

JANUARY 27, 2018

SURVEY NO. 5842A

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



DEVON ENERGY PRODUCTION COMPANY, L.P.
PAD GRADING AND CROSS SECTIONS
FOR FLAGLER 8 FEDERAL 35H
SECTION 8, TOWNSHIP 25 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

CUT	FILL	NET
4450 CU. YD	23530 CU. YD	19080 CU. YD (FILL)

EARTHWORK QUANTITIES ARE ESTIMATED

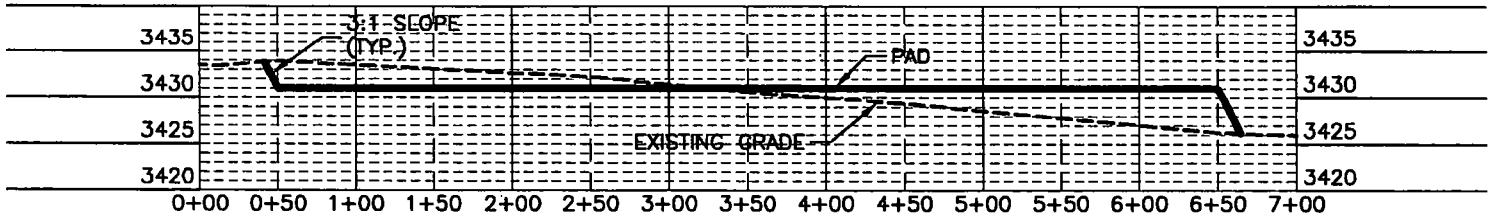
JANUARY 27, 2018

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

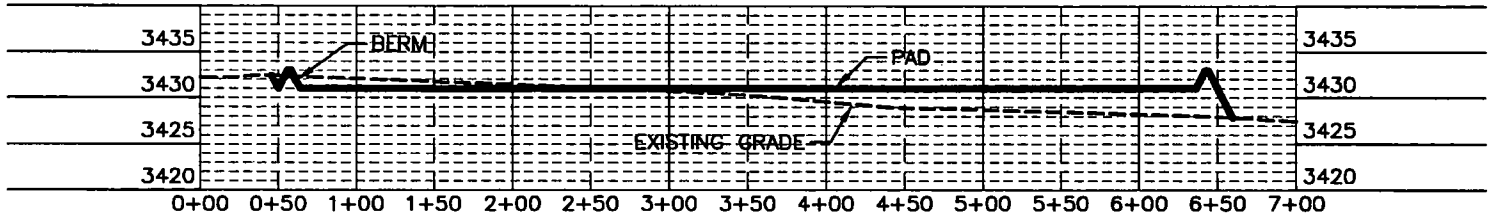
SHEET 1-2
SURVEY NO. 6842A

CROSS-SECTIONS

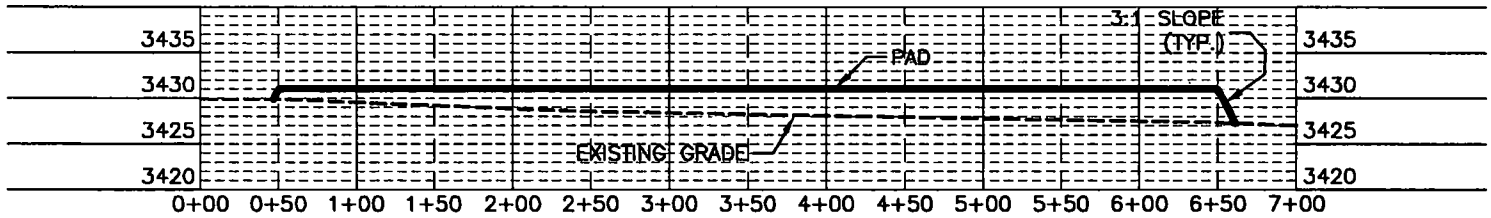
SECTION A-A'



SECTION B-B'



SECTION C-C'



0 12 60 120 240

SCALE 1" = 120' - 1" = 20' VER

DEVON ENERGY PRODUCTION COMPANY, L.P.
PAD GRADING AND CROSS SECTIONS
FOR FLAGLER 8 FEDERAL 35H
SECTION 8, TOWNSHIP 25 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

CUT	FILL	NET
4450 CU. YD	23530 CU. YD	19080 CU. YD (FILL)

EARTHWORK QUANTITIES ARE ESTIMATED

JANUARY 27, 2018

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

SHEET 2-2
SURVEY NO. 5842A

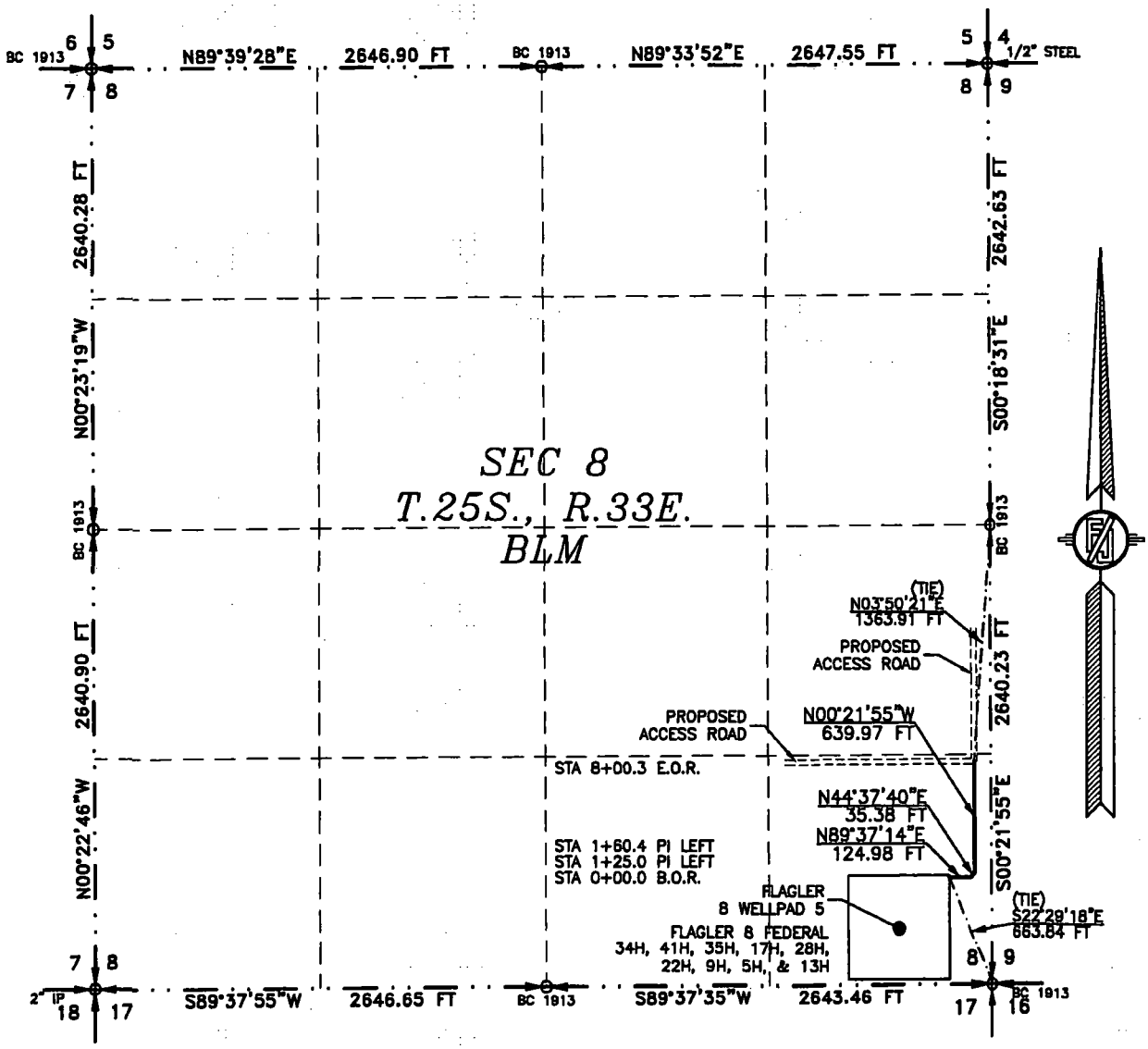
ACCESS ROAD PLAT

ACCESS ROAD FOR FLAGLER 8 WELLPAD 5

(FLAGLER 8 FEDERAL 34H, 41H, 35H, 17H, 28H, 22H, 9H, 5H, & 13H WELLS)

DEVON ENERGY PRODUCTION COMPANY, L.P.

CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
JANUARY 27, 2018



SEE NEXT SHEET (2-2) FOR DESCRIPTION

1000 0 1000

Scale: 1" = 1000'

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 27 DAY OF JANUARY 2018

FILIMON F. JARAMILLO, PLS 12797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SHEET: 1-2

SURVEY NO. 5842A

ACCESS ROAD PLAT

ACCESS ROAD FOR FLAGLER 8 WELLPAD 5

(FLAGLER 8 FEDERAL 34H, 41H, 35H, 17H, 28H, 22H, 9H, 5H, & 13H WELLS)

DEVON ENERGY PRODUCTION COMPANY, L.P.

CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING

SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.

LEA COUNTY, STATE OF NEW MEXICO

JANUARY 27, 2018

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SE/4 SE/4 OF SAID SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M. BEARS S22°29'18"E, A DISTANCE OF 663.84 FEET;
THENCE N89°37'14"E A DISTANCE OF 124.98 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N44°37'40"E A DISTANCE OF 35.38 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N00°21'55"W A DISTANCE OF 639.97 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE EAST QUARTER CORNER OF SAID SECTION 8, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M. BEARS N03°50'21"E, A DISTANCE OF 1363.91 FEET;

SAID STRIP OF LAND BEING 800.33 FEET OR 48.51 RODS IN LENGTH, CONTAINING 0.551 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SE/4	800.33 L.F.	48.51 RODS	0.551 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS ____ DAY OF JANUARY 2018.

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FILIMON F. JARAMILLO PLS. 12797