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

Sundry Print Report

03/11/2024

Well Name: BURTON FLAT 3-1 FED STATE COM

Well Location: T21S / R27E / SEC 3 / LOT 5 / 32.516892 / -104.184703

County or Parish/State: EDDY / NM

Well Number: 333H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0560295

Unit or CA Name:

Unit or CA Number:

US Well Number: 300155388200S1

Well Status: Producing Oil Well

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2775035

Type of Submission: Notice of Intent

Type of Action: Casing

Date Sundry Submitted: 02/13/2024

Time Sundry Submitted: 07:08

Date proposed operation will begin: 02/13/2024

Procedure Description: Devon Energy Production Company, L.P. respectfully requests approval for the casing patch procedure on the subject well. The procedure is attached. Email Verbal approval from Long is attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Burton_Flat_3_1_Fed_State_Com_333H___Directional_Survey_20240213190815.pdf

Snapset_II_Packer_20240213190429.pdf

Re___EXTERNAL__RE__Burton_Flat_3_1_Fed_State_Com_333H_Revision_2_20240213190305.pdf

NOI_CASING_SUNDRY___revEMS_v2_20240213190101.pdf

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Allottee or Tribe Name:

Lease Number: NMNM0560295

Unit or CA Name:

Unit or CA Number:

US Well Number: 300155388200S1

Well Status: Producing Oil Well

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ARIANNA EVANS

Signed on: FEB 13, 2024 07:08 PM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory

Street Address: 333 W SHERIDAN AVE

City: OKLAHOMA CITY **State:** OK

Phone: (405) 552-4514

Email address: ARIANNA.EVANS@DVN.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Accepted

Disposition Date: 02/27/2024

Signature: Long Vo

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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. NMNM0560295

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No. BURTON FLAT 3-1 FED STATE CO

2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP

9. API Well No. 3001553882

3a. Address 333 WEST SHERIDAN AVE, OKLAHOMA CITY,

3b. Phone No. *(include area code)* (405) 235-3611

10. Field and Pool or Exploratory Area AVALON EAST/AVALON BONE SPRING EAST

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 3/T21S/R27E/NMP

11. Country or Parish, State EDDY/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
	☑ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 perfonned 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 detennined that the site is ready for final inspection.)

Devon Energy Production Company, L.P. respectfully requests approval for the casing patch procedure on the subject well. The procedure is attached. Email Verbal approval from Long is attached.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* ARIANNA EVANS / Ph: (405) 552-4514

Title Regulatory

Signature (Electronic Submission)

Date 02/13/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by LONG VO / Ph: (575) 988-5402 / Accepted

Title Petroleum Engineer

Date 02/27/2024

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 CARLSBAD

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law 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, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the 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., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: LOT 5 / 2107 FNL / 387 FWL / TWSP: 21S / RANGE: 27E / SECTION: 3 / LAT: 32.516892 / LONG: -104.184703 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 12 / 2652 FNL / 623 FWL / TWSP: 21S / RANGE: 27E / SECTION: 3 / LAT: 32.5153923 / LONG: -104.1839738 (TVD: 8770 feet, MD: 9144 feet)

PPP: LOT 11 / 2652 FNL / 1479 FWL / TWSP: 21S / RANGE: 27E / SECTION: 3 / LAT: 32.5153931 / LONG: -104.1811976 (TVD: 8779 feet, MD: 10000 feet)

PPP: LOT 12 / 2652 FNL / 184 FWL / TWSP: 21S / RANGE: 27E / SECTION: 2 / LAT: 32.515396 / LONG: -104.1682217 (TVD: 8825 feet, MD: 14000 feet)

PPP: LOT 9 / 2650 FNL / 1213 FEL / TWSP: 21S / RANGE: 27E / SECTION: 2 / LAT: 32.5153975 / LONG: -104.1555702 (TVD: 8870 feet, MD: 17900 feet)

PPP: LOT 12 / 2650 FNL / 187 FWL / TWSP: 21S / RANGE: 27E / SECTION: 1 / LAT: 32.5153977 / LONG: -104.1510286 (TVD: 8886 feet, MD: 19300 feet)

PPP: LOT 11 / 2650 FNL / 1487 FWL / TWSP: 21S / RANGE: 27E / SECTION: 1 / LAT: 32.5153977 / LONG: -104.1468114 (TVD: 8901 feet, MD: 20600 feet)

PPP: LOT 10 / 2650 FNL / 2310 FEL / TWSP: 21S / RANGE: 27E / SECTION: 1 / LAT: 32.515392 / LONG: -104.142478 (TVD: 8912 feet, MD: 21300 feet)

PPP: LOT 9 / 2650 FNL / 1204 FEL / TWSP: 21S / RANGE: 27E / SECTION: 1 / LAT: 32.5153974 / LONG: -104.138377 (TVD: 8931 feet, MD: 23200 feet)

BHL: LOT 9 / 2650 FNL / 20 FEL / TWSP: 21S / RANGE: 27E / SECTION: 1 / LAT: 32.515397 / LONG: -104.134536 (TVD: 8944 feet, MD: 24384 feet)

Well Header

Sub-Division: DELAWARE BASIN	Region: DELAWARE BASIN WEST	Field Name: CARLSBAD NORTH
Surf Loc: 3-21S-27E	API/UWI: 3001553882	Latitude (°): 32° 31' 0.8" N

Wellbores

Wellbore Name: OH	Parent Wellbore:	VS Dir (°): 91.92

Kick Offs & Key Depths

Date: 7/10/2023	Type: CURVE	Top Depth (ftKB): 8,257.9
Date: 7/18/2023	Type: CURVE	Top Depth (ftKB): 8,251.0

Deviation Surveys

Date: 7/17/2023	Definitive?: No	Des: COMPOSITE OH
MD Tie In (ftKB): 0.00	TVDTie In (ftKB): 0.00	Inclination Tie In (°): 0.00

Survey Data

Date	MD (ftKB)	Incl (°)
7/17/2023	268.00	0.76
7/17/2023	363.00	0.38
7/17/2023	459.00	0.47
7/17/2023	554.00	0.42
7/17/2023	649.00	0.46
7/17/2023	673.00	0.36
7/17/2023	830.00	0.13
7/17/2023	926.00	0.45
7/17/2023	1,021.00	0.33
7/17/2023	1,116.00	0.33
7/17/2023	1,211.00	0.37
7/17/2023	1,306.00	0.22
7/17/2023	1,401.00	1.95
7/17/2023	1,497.00	4.48
7/17/2023	1,591.00	5.29
7/17/2023	1,687.00	7.17
7/17/2023	1,782.00	8.09
7/17/2023	1,877.00	7.84
7/17/2023	1,973.00	7.82
7/17/2023	2,068.00	7.85
7/17/2023	2,163.00	7.75
7/17/2023	2,259.00	7.67
7/17/2023	2,354.00	7.61
7/17/2023	2,449.00	7.75
7/17/2023	2,545.00	7.55
7/17/2023	2,640.00	7.65
7/17/2023	2,735.00	7.57
7/17/2023	2,830.00	7.68
7/17/2023	2,850.00	7.72

7/17/2023	2,997.00	8.01
7/17/2023	3,092.00	8.23
7/17/2023	3,187.00	7.93
7/17/2023	3,283.00	8.39
7/17/2023	3,378.00	7.72
7/17/2023	3,474.00	7.69
7/17/2023	3,569.00	7.59
7/17/2023	3,664.00	7.44
7/17/2023	3,759.00	7.38
7/17/2023	3,855.00	7.15
7/17/2023	3,950.00	6.94
7/17/2023	4,046.00	6.69
7/17/2023	4,141.00	6.78
7/17/2023	4,237.00	6.61
7/17/2023	4,332.00	6.51
7/17/2023	4,427.00	6.52
7/17/2023	4,523.00	6.48
7/17/2023	4,618.00	6.34
7/17/2023	4,714.00	5.96
7/17/2023	4,809.00	5.97
7/17/2023	4,904.00	5.62
7/17/2023	5,000.00	5.19
7/17/2023	5,095.00	5.58
7/17/2023	5,191.00	5.43
7/17/2023	5,287.00	5.69
7/17/2023	5,382.00	5.35
7/17/2023	5,477.00	6.22
7/17/2023	5,572.00	5.08
7/17/2023	5,668.00	5.64
7/17/2023	5,763.00	4.54
7/17/2023	5,859.00	5.23
7/17/2023	5,954.00	6.63
7/17/2023	6,049.00	5.74
7/17/2023	6,144.00	5.21
7/17/2023	6,240.00	3.73
7/17/2023	6,335.00	5.57
7/17/2023	6,430.00	6.16
7/17/2023	6,526.00	5.81
7/17/2023	6,621.00	5.16
7/17/2023	6,716.00	2.67
7/17/2023	6,812.00	1.04
7/17/2023	6,907.00	1.09
7/17/2023	7,003.00	0.81
7/17/2023	7,097.00	0.87

7/17/2023	7,193.00	1.75
7/17/2023	7,289.00	1.96
7/17/2023	7,384.00	1.65
7/17/2023	7,480.00	1.85
7/17/2023	7,575.00	1.77
7/17/2023	7,670.00	1.47
7/17/2023	7,766.00	2.85
7/17/2023	7,861.00	4.51
7/17/2023	7,956.00	3.14
7/17/2023	8,052.00	2.63
7/17/2023	8,147.00	2.41
7/18/2023	8,182.00	2.02
7/18/2023	8,278.00	5.10
7/18/2023	8,373.00	11.61
7/18/2023	8,468.00	21.55
7/18/2023	8,563.00	31.92
7/18/2023	8,659.00	44.03
7/18/2023	8,754.00	58.32
7/19/2023	8,849.00	71.20
7/19/2023	8,945.00	85.76
7/19/2023	9,040.00	90.95
7/20/2023	9,131.00	89.61
7/21/2023	9,226.00	88.38
7/21/2023	9,321.00	87.70
7/21/2023	9,416.00	87.31
7/21/2023	9,511.00	86.78
7/21/2023	9,606.00	86.44
7/21/2023	9,701.00	88.54
7/21/2023	9,796.00	89.38
7/21/2023	9,891.00	89.89
7/21/2023	9,986.00	91.20
7/21/2023	10,082.00	91.79
7/21/2023	10,177.00	91.26
7/21/2023	10,272.00	92.07
7/21/2023	10,367.00	90.59
7/21/2023	10,463.00	90.14
7/21/2023	10,558.00	91.06
7/21/2023	10,653.00	90.34
7/21/2023	10,748.00	88.94
7/21/2023	10,844.00	88.18
7/21/2023	10,940.00	88.91
7/21/2023	11,035.00	90.34
7/21/2023	11,130.00	89.61
7/21/2023	11,225.00	88.96

7/21/2023	11,320.00	89.55
7/21/2023	11,415.00	90.45
7/21/2023	11,511.00	89.30
7/21/2023	11,606.00	90.08
7/22/2023	11,701.00	89.30
7/22/2023	11,796.00	87.70
7/22/2023	11,891.00	88.29
7/22/2023	11,987.00	87.79
7/22/2023	12,082.00	88.10
7/22/2023	12,177.00	88.43
7/22/2023	12,273.00	88.35
7/22/2023	12,368.00	89.08
7/22/2023	12,463.00	89.78
7/22/2023	12,559.00	89.75
7/22/2023	12,654.00	89.64
7/22/2023	12,749.00	89.94
7/23/2023	12,845.00	90.87
7/23/2023	12,940.00	89.02
7/23/2023	13,035.00	86.58
7/23/2023	13,131.00	85.93
7/23/2023	13,226.00	85.90
7/23/2023	13,321.00	85.65
7/23/2023	13,417.00	87.04
7/23/2023	13,512.00	87.76
7/23/2023	13,607.00	88.32
7/24/2023	13,703.00	89.33
7/24/2023	13,798.00	89.66
7/24/2023	13,893.00	90.08
7/24/2023	13,989.00	90.48
7/24/2023	14,084.00	89.64
7/24/2023	14,179.00	89.24
7/24/2023	14,275.00	87.25
7/24/2023	14,370.00	87.70
7/24/2023	14,465.00	87.64
7/24/2023	14,561.00	87.39
7/24/2023	14,656.00	87.59
7/24/2023	14,751.00	87.81
7/24/2023	14,846.00	87.62
7/24/2023	14,942.00	87.65
7/24/2023	15,037.00	88.29
7/24/2023	15,133.00	87.31
7/24/2023	15,228.00	87.11
7/24/2023	15,323.00	88.54
7/24/2023	15,419.00	88.74

7/24/2023	15,514.00	88.51
7/24/2023	15,609.00	89.75
7/24/2023	15,705.00	90.22
7/24/2023	15,800.00	90.78
7/24/2023	15,895.00	89.02
7/24/2023	15,990.00	89.22
7/24/2023	16,086.00	89.10
7/24/2023	16,181.00	89.50
7/24/2023	16,277.00	89.94
7/24/2023	16,372.00	89.05
7/24/2023	16,467.00	88.88
7/25/2023	16,562.00	88.43
7/25/2023	16,658.00	88.57
7/25/2023	16,753.00	88.94
7/25/2023	16,848.00	88.54
7/25/2023	16,944.00	86.61
7/25/2023	17,039.00	86.33
7/25/2023	17,134.00	87.00
7/25/2023	17,230.00	87.00
7/25/2023	17,325.00	87.73
7/25/2023	17,420.00	88.68
7/25/2023	17,515.00	90.03
7/25/2023	17,611.00	91.12
7/25/2023	17,706.00	91.37
7/25/2023	17,802.00	90.03
7/25/2023	17,898.00	90.78
7/25/2023	17,993.00	88.37
7/25/2023	18,088.00	88.37
7/25/2023	18,184.00	87.50
7/25/2023	18,279.00	87.22
7/25/2023	18,375.00	88.43
7/25/2023	18,470.00	88.96
7/25/2023	18,566.00	90.53
7/25/2023	18,661.00	90.11
7/25/2023	18,757.00	87.76
7/25/2023	18,852.00	88.18
7/25/2023	18,948.00	89.50
7/25/2023	19,043.00	88.82
7/25/2023	19,139.00	89.80
7/25/2023	19,234.00	87.14
7/25/2023	19,329.00	85.23
7/25/2023	19,425.00	84.95
7/26/2023	19,520.00	85.20
7/26/2023	19,615.00	86.63

7/26/2023	19,711.00	88.26
7/26/2023	19,806.00	88.88
7/26/2023	19,901.00	90.00
7/26/2023	19,997.00	90.78
7/26/2023	20,092.00	88.93
7/26/2023	20,188.00	88.79
7/26/2023	20,284.00	89.38
7/26/2023	20,379.00	88.91
7/26/2023	20,475.00	91.35
7/26/2023	20,570.00	88.65
7/26/2023	20,666.00	88.82
7/26/2023	20,761.00	87.48
7/26/2023	20,856.00	87.67
7/26/2023	20,952.00	87.81
7/26/2023	21,047.00	88.51
7/26/2023	21,143.00	88.79
7/26/2023	21,238.00	89.64
7/26/2023	21,333.00	89.75
7/26/2023	21,429.00	88.93
7/26/2023	21,524.00	88.18
7/26/2023	21,620.00	88.51
7/27/2023	21,715.00	88.51
7/27/2023	21,811.00	89.47
7/27/2023	21,906.00	89.55
7/27/2023	22,002.00	88.01
7/27/2023	22,097.00	87.67
7/27/2023	22,192.00	88.85
7/27/2023	22,288.00	90.90
7/27/2023	22,383.00	90.08
7/27/2023	22,478.00	87.98
7/27/2023	22,574.00	87.79
7/27/2023	22,669.00	88.77
7/27/2023	22,764.00	89.50
7/27/2023	22,860.00	90.56
7/27/2023	22,955.00	88.91
7/27/2023	23,051.00	89.27
7/27/2023	23,146.00	90.39
7/27/2023	23,241.00	86.94
7/27/2023	23,336.00	86.86
7/27/2023	23,431.00	89.50
7/27/2023	23,527.00	87.50
7/27/2023	23,622.00	87.73
7/27/2023	23,718.00	88.74
7/28/2023	23,814.00	89.24

7/28/2023	23,909.00	90.31
7/28/2023	24,004.00	91.63
7/28/2023	24,100.00	91.32
7/28/2023	24,194.00	90.31
7/28/2023	24,265.00	90.31

County: EDDY State/Province: NM
Longitude (°): 104° 11' 4.934" W Orig KB Elev (ft): 3,209.80 Ground Elev (ft): 3,184.30

Proposed?: No
Azimuth Tie In (°): 0.00 NSTie In (ft): 0.00 EWTie In (ft): 0.00

Azm (°)	TVD (ftKB)	VS (ft)
244.03	267.99	-1.57
248.14	362.99	-2.42
286.85	458.98	-3.09
303.08	553.98	-3.76
310.38	648.98	-4.36
306.10	672.98	-4.50
20.48	829.98	-4.85
307.14	925.98	-5.12
359.00	1,020.97	-5.44
282.79	1,115.97	-5.72
285.59	1,210.97	-6.29
147.11	1,305.97	-6.48
208.49	1,400.95	-7.10
205.00	1,496.79	-9.30
206.60	1,590.45	-12.55
208.82	1,685.88	-17.11
207.39	1,780.04	-22.67
210.41	1,874.12	-28.63
212.43	1,969.23	-35.07
212.24	2,063.34	-41.63
211.56	2,157.46	-48.07
211.52	2,252.59	-54.44
212.23	2,346.75	-60.74
214.08	2,440.90	-67.33
213.00	2,536.04	-74.03
214.67	2,630.21	-80.67
214.55	2,724.37	-87.47
216.46	2,818.53	-94.44
216.45	2,838.35	-95.96

218.78	2,983.97	-107.70
218.03	3,078.02	-115.68
211.36	3,172.08	-122.90
211.76	3,267.10	-129.64
203.98	3,361.17	-135.49
200.27	3,456.30	-139.93
198.52	3,550.46	-143.73
200.16	3,644.64	-147.44
200.80	3,738.85	-151.34
202.02	3,834.08	-155.39
203.34	3,928.36	-159.52
204.49	4,023.68	-163.78
207.00	4,118.03	-168.28
206.15	4,213.37	-172.95
208.65	4,307.75	-177.62
208.26	4,402.14	-182.44
210.61	4,497.52	-187.46
211.08	4,591.93	-192.58
212.41	4,687.37	-197.70
212.05	4,781.86	-202.68
212.98	4,876.37	-207.56
212.91	4,971.95	-212.22
205.19	5,066.53	-216.26
202.94	5,162.09	-219.73
191.92	5,257.64	-222.19
189.56	5,352.20	-223.59
194.17	5,446.71	-225.27
190.79	5,541.25	-227.01
188.79	5,636.83	-228.23
183.14	5,731.45	-228.87
182.19	5,827.10	-228.97
195.90	5,921.60	-230.32
195.86	6,016.05	-232.79
201.15	6,110.61	-235.35
198.04	6,206.32	-237.66
204.95	6,301.00	-240.32
201.78	6,395.50	-243.85
202.77	6,490.98	-247.33
202.92	6,585.54	-250.57
199.64	6,680.32	-252.78
109.44	6,776.28	-252.63
91.37	6,871.26	-250.90
124.78	6,967.25	-249.42
136.74	7,061.24	-248.36

116.59	7,157.21	-246.51
147.53	7,253.16	-244.25
147.72	7,348.12	-242.56
172.45	7,444.07	-241.53
200.98	7,539.03	-241.76
185.62	7,633.99	-242.31
173.64	7,729.92	-242.05
160.91	7,824.72	-240.37
179.67	7,919.51	-238.93
204.37	8,015.39	-239.67
205.97	8,110.30	-241.31
204.59	8,145.28	-241.85
97.31	8,241.14	-238.25
77.96	8,335.10	-224.75
79.52	8,426.04	-198.37
81.53	8,510.77	-156.51
84.97	8,586.31	-98.21
91.80	8,645.76	-24.58
96.40	8,686.20	61.07
96.22	8,705.32	154.61
93.79	8,708.05	249.39
91.42	8,707.60	340.37
88.93	8,709.27	435.31
87.95	8,712.52	530.07
87.42	8,716.65	624.72
86.92	8,721.55	719.27
85.94	8,727.17	813.67
85.64	8,731.33	908.03
85.42	8,733.05	1,002.42
84.62	8,733.66	1,096.73
86.03	8,732.75	1,191.10
88.36	8,730.25	1,286.73
89.02	8,727.72	1,381.54
89.74	8,724.96	1,476.41
90.30	8,722.76	1,571.33
90.72	8,722.14	1,667.30
89.93	8,721.15	1,762.25
90.38	8,719.99	1,857.20
91.18	8,720.59	1,952.18
91.16	8,723.00	2,048.14
89.93	8,725.44	2,144.08
89.67	8,726.06	2,239.01
88.90	8,726.10	2,333.90
88.24	8,727.28	2,428.73

88.13	8,728.52	2,523.52
89.92	8,728.52	2,618.40
92.05	8,728.73	2,714.38
91.98	8,729.24	2,809.38
92.41	8,729.76	2,904.37
93.05	8,732.24	2,999.33
92.97	8,735.57	3,094.25
91.36	8,738.85	3,190.19
89.36	8,742.26	3,285.09
88.65	8,745.13	3,379.92
88.08	8,747.83	3,475.70
88.23	8,749.96	3,570.47
88.07	8,750.91	3,665.26
88.46	8,751.30	3,761.06
87.97	8,751.81	3,855.86
89.46	8,752.15	3,950.71
89.02	8,751.48	4,046.60
90.73	8,751.57	4,141.53
90.71	8,755.21	4,236.43
90.64	8,761.48	4,332.21
90.21	8,768.25	4,426.93
89.69	8,775.25	4,521.62
89.32	8,781.37	4,617.34
88.65	8,785.68	4,712.11
88.01	8,788.93	4,806.87
89.45	8,790.90	4,902.70
89.83	8,791.73	4,997.62
89.07	8,791.95	5,092.53
88.00	8,791.48	5,188.36
89.13	8,791.38	5,283.19
89.59	8,792.31	5,378.09
91.40	8,795.25	5,474.01
92.40	8,799.44	5,568.92
92.25	8,803.30	5,663.83
91.74	8,807.46	5,759.74
91.29	8,811.62	5,854.65
91.00	8,815.43	5,949.56
89.81	8,819.22	6,044.45
89.39	8,823.18	6,140.29
89.81	8,826.55	6,235.16
89.51	8,830.23	6,331.01
88.88	8,834.86	6,425.79
89.24	8,838.46	6,520.60
89.25	8,840.74	6,616.47

88.58	8,843.02	6,711.31
90.59	8,844.46	6,806.21
90.93	8,844.49	6,902.19
90.66	8,843.66	6,997.17
91.38	8,843.83	7,092.15
91.27	8,845.28	7,187.14
90.88	8,846.69	7,283.12
90.30	8,847.85	7,378.08
89.77	8,848.32	7,474.03
88.48	8,849.16	7,568.91
87.69	8,850.87	7,663.68
88.71	8,853.10	7,758.45
88.69	8,855.62	7,854.27
88.07	8,857.68	7,949.06
90.19	8,859.77	8,043.92
90.71	8,863.83	8,139.80
90.48	8,869.68	8,234.59
89.91	8,875.21	8,329.39
89.55	8,880.23	8,425.19
88.64	8,884.60	8,519.97
88.14	8,887.58	8,614.74
88.16	8,888.65	8,709.53
88.64	8,887.68	8,805.34
89.73	8,885.62	8,900.21
91.00	8,884.45	8,996.16
91.09	8,883.77	9,092.15
91.29	8,884.47	9,187.13
91.39	8,887.17	9,282.09
90.90	8,890.63	9,378.01
90.56	8,895.01	9,472.89
89.87	8,898.65	9,568.78
88.83	8,900.82	9,663.66
88.20	8,901.24	9,759.48
89.66	8,900.71	9,854.35
91.05	8,902.50	9,950.29
90.78	8,905.86	10,045.21
89.91	8,907.80	10,141.15
89.65	8,909.20	10,236.08
89.59	8,910.35	10,331.99
89.02	8,912.89	10,426.85
89.49	8,919.21	10,521.53
88.89	8,927.43	10,617.07
89.55	8,935.58	10,711.62
90.38	8,942.35	10,806.32

90.38	8,946.63	10,902.18
89.76	8,949.00	10,997.10
89.34	8,949.93	11,092.01
90.34	8,949.28	11,187.95
91.92	8,949.52	11,282.93
92.04	8,951.43	11,378.91
91.36	8,952.96	11,474.90
91.72	8,954.38	11,569.88
91.83	8,954.16	11,665.88
90.12	8,954.16	11,760.85
89.48	8,956.28	11,856.76
89.57	8,959.35	11,951.63
89.25	8,963.36	12,046.45
88.88	8,967.15	12,142.26
88.23	8,970.20	12,237.04
87.49	8,972.46	12,332.77
87.32	8,973.76	12,427.47
87.82	8,974.27	12,522.20
88.73	8,975.38	12,617.99
89.99	8,977.77	12,712.87
89.05	8,980.54	12,808.74
90.12	8,983.01	12,903.63
90.82	8,984.71	12,999.58
91.16	8,985.52	13,094.56
91.11	8,987.56	13,190.53
91.22	8,991.14	13,285.45
90.35	8,994.03	13,380.39
90.67	8,994.24	13,476.35
90.68	8,993.43	13,571.33
89.84	8,995.03	13,666.27
90.08	8,998.58	13,762.15
89.42	9,001.43	13,857.03
89.56	9,002.86	13,951.94
89.01	9,002.81	14,047.83
90.12	9,003.25	14,142.75
90.55	9,004.78	14,238.70
90.35	9,005.06	14,333.67
89.61	9,007.27	14,428.57
89.65	9,012.41	14,523.36
89.55	9,015.42	14,618.22
89.71	9,017.94	14,714.11
90.86	9,021.89	14,808.98
90.38	9,024.85	14,904.91
89.87	9,026.54	15,000.85

89.30	9,026.91	15,095.77
88.77	9,025.31	15,190.63
88.95	9,022.83	15,286.46
89.29	9,021.50	15,380.34
89.29	9,021.11	15,451.26

KB - GL (ft): 25.50

N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
-0.78	-1.60	0.28	MWD	SB DIRECTIONAL SERVICES
-1.17	-2.46	0.40	MWD	SB DIRECTIONAL SERVICES
-1.18	-3.13	0.31	MWD	SB DIRECTIONAL SERVICES
-0.87	-3.79	0.14	MWD	SB DIRECTIONAL SERVICES
-0.44	-4.38	0.07	MWD	SB DIRECTIONAL SERVICES
-0.33	-4.51	0.44	MWD	SB DIRECTIONAL SERVICES
0.13	-4.85	0.22	MWD	SB DIRECTIONAL SERVICES
0.46	-5.11	0.45	MWD	SB DIRECTIONAL SERVICES
0.96	-5.41	0.38	MWD	SB DIRECTIONAL SERVICES
1.29	-5.68	0.43	MWD	SB DIRECTIONAL SERVICES
1.43	-6.24	0.05	MWD	SB DIRECTIONAL SERVICES
1.36	-6.44	0.58	MWD	SB DIRECTIONAL SERVICES
-0.21	-7.11	1.95	MWD	SB DIRECTIONAL SERVICES
-5.04	-9.48	2.64	MWD	SB DIRECTIONAL SERVICES
-12.25	-12.97	0.87	MWD	SB DIRECTIONAL SERVICES
-21.45	-17.84	1.97	MWD	SB DIRECTIONAL SERVICES
-32.58	-23.77	0.99	MWD	SB DIRECTIONAL SERVICES
-44.11	-30.13	0.51	MWD	SB DIRECTIONAL SERVICES
-55.27	-36.94	0.29	MWD	SB DIRECTIONAL SERVICES
-66.21	-43.87	0.04	MWD	SB DIRECTIONAL SERVICES
-77.15	-50.68	0.14	MWD	SB DIRECTIONAL SERVICES
-88.13	-57.42	0.08	MWD	SB DIRECTIONAL SERVICES
-98.86	-64.09	0.12	MWD	SB DIRECTIONAL SERVICES
-109.48	-71.03	0.30	MWD	SB DIRECTIONAL SERVICES
-120.13	-78.10	0.26	MWD	SB DIRECTIONAL SERVICES
-130.57	-85.09	0.26	MWD	SB DIRECTIONAL SERVICES
-140.92	-92.24	0.09	MWD	SB DIRECTIONAL SERVICES
-151.18	-99.56	0.29	MWD	SB DIRECTIONAL SERVICES
-153.34	-101.15	0.20	MWD	SB DIRECTIONAL SERVICES

-169.26	-113.43	0.29	MWD	SB DIRECTIONAL SERVICES
-179.78	-121.77	0.26	MWD	SB DIRECTIONAL SERVICES
-190.73	-129.37	1.04	MWD	SB DIRECTIONAL SERVICES
-202.34	-136.50	0.48	MWD	SB DIRECTIONAL SERVICES
-214.06	-142.74	1.35	MWD	SB DIRECTIONAL SERVICES
-225.98	-147.59	0.52	MWD	SB DIRECTIONAL SERVICES
-237.89	-151.78	0.27	MWD	SB DIRECTIONAL SERVICES
-249.62	-155.89	0.28	MWD	SB DIRECTIONAL SERVICES
-261.09	-160.18	0.11	MWD	SB DIRECTIONAL SERVICES
-272.40	-164.61	0.29	MWD	SB DIRECTIONAL SERVICES
-283.15	-169.10	0.28	MWD	SB DIRECTIONAL SERVICES
-293.56	-173.72	0.30	MWD	SB DIRECTIONAL SERVICES
-303.59	-178.56	0.32	MWD	SB DIRECTIONAL SERVICES
-313.60	-183.56	0.20	MWD	SB DIRECTIONAL SERVICES
-323.24	-188.56	0.32	MWD	SB DIRECTIONAL SERVICES
-332.71	-193.69	0.05	MWD	SB DIRECTIONAL SERVICES
-342.18	-199.03	0.28	MWD	SB DIRECTIONAL SERVICES
-351.28	-204.47	0.16	MWD	SB DIRECTIONAL SERVICES
-360.03	-209.88	0.42	MWD	SB DIRECTIONAL SERVICES
-368.38	-215.14	0.04	MWD	SB DIRECTIONAL SERVICES
-376.47	-220.30	0.38	MWD	SB DIRECTIONAL SERVICES
-384.06	-225.21	0.45	MWD	SB DIRECTIONAL SERVICES
-391.84	-229.51	0.87	MWD	SB DIRECTIONAL SERVICES
-400.25	-233.27	0.27	MWD	SB DIRECTIONAL SERVICES
-409.09	-236.02	1.14	MWD	SB DIRECTIONAL SERVICES
-418.07	-237.73	0.43	MWD	SB DIRECTIONAL SERVICES
-427.42	-239.73	1.04	MWD	SB DIRECTIONAL SERVICES
-436.55	-241.78	1.25	MWD	SB DIRECTIONAL SERVICES
-445.38	-243.29	0.61	MWD	SB DIRECTIONAL SERVICES
-453.75	-244.21	1.27	MWD	SB DIRECTIONAL SERVICES
-461.92	-244.59	0.72	MWD	SB DIRECTIONAL SERVICES
-471.52	-246.25	2.09	MWD	SB DIRECTIONAL SERVICES
-481.36	-249.06	0.94	MWD	SB DIRECTIONAL SERVICES
-489.96	-251.91	0.77	MWD	SB DIRECTIONAL SERVICES
-496.99	-254.45	1.56	MWD	SB DIRECTIONAL SERVICES
-504.11	-257.35	2.02	MWD	SB DIRECTIONAL SERVICES
-513.02	-261.19	0.71	MWD	SB DIRECTIONAL SERVICES
-522.29	-264.98	0.38	MWD	SB DIRECTIONAL SERVICES
-530.65	-268.50	0.68	MWD	SB DIRECTIONAL SERVICES
-536.67	-270.91	2.63	MWD	SB DIRECTIONAL SERVICES
-539.07	-270.84	2.99	MWD	SB DIRECTIONAL SERVICES
-539.38	-269.13	0.36	MWD	SB DIRECTIONAL SERVICES
-539.79	-267.66	0.63	MWD	SB DIRECTIONAL SERVICES
-540.69	-266.62	0.20	MWD	SB DIRECTIONAL SERVICES

-541.87	-264.81	1.02	MWD	SB DIRECTIONAL SERVICES
-543.91	-262.62	1.05	MWD	SB DIRECTIONAL SERVICES
-546.44	-261.02	0.33	MWD	SB DIRECTIONAL SERVICES
-549.15	-260.07	0.81	MWD	SB DIRECTIONAL SERVICES
-552.04	-260.40	0.94	MWD	SB DIRECTIONAL SERVICES
-554.62	-261.04	0.55	MWD	SB DIRECTIONAL SERVICES
-558.22	-260.90	1.50	MWD	SB DIRECTIONAL SERVICES
-564.09	-259.42	1.94	MWD	SB DIRECTIONAL SERVICES
-570.23	-258.18	1.94	MWD	SB DIRECTIONAL SERVICES
-574.86	-259.07	1.39	MWD	SB DIRECTIONAL SERVICES
-578.64	-260.85	0.24	MWD	SB DIRECTIONAL SERVICES
-579.87	-261.43	1.12	MWD	SB DIRECTIONAL SERVICES
-581.95	-257.89	6.27	MWD	SB DIRECTIONAL SERVICES
-580.49	-244.34	7.37	MWD	SB DIRECTIONAL SERVICES
-575.31	-217.77	10.47	MWD	SB DIRECTIONAL SERVICES
-568.42	-175.65	10.96	MWD	SB DIRECTIONAL SERVICES
-561.73	-117.09	12.80	MWD	SB DIRECTIONAL SERVICES
-560.09	-43.37	16.04	MWD	SB DIRECTIONAL SERVICES
-566.41	42.12	14.24	MWD	SB DIRECTIONAL SERVICES
-576.71	135.36	15.17	MWD	SB DIRECTIONAL SERVICES
-584.99	229.92	6.03	MWD	SB DIRECTIONAL SERVICES
-589.13	320.82	2.99	MWD	SB DIRECTIONAL SERVICES
-589.42	415.79	2.92	MWD	SB DIRECTIONAL SERVICES
-586.83	510.70	1.26	MWD	SB DIRECTIONAL SERVICES
-583.00	605.53	0.69	MWD	SB DIRECTIONAL SERVICES
-578.31	700.29	0.77	MWD	SB DIRECTIONAL SERVICES
-572.41	794.94	1.09	MWD	SB DIRECTIONAL SERVICES
-565.44	889.59	2.23	MWD	SB DIRECTIONAL SERVICES
-558.04	984.28	0.91	MWD	SB DIRECTIONAL SERVICES
-549.79	1,078.92	1.00	MWD	SB DIRECTIONAL SERVICES
-542.05	1,173.59	2.03	MWD	SB DIRECTIONAL SERVICES
-537.35	1,269.44	2.50	MWD	SB DIRECTIONAL SERVICES
-535.18	1,364.38	0.89	MWD	SB DIRECTIONAL SERVICES
-534.16	1,459.33	1.14	MWD	SB DIRECTIONAL SERVICES
-534.19	1,554.30	1.67	MWD	SB DIRECTIONAL SERVICES
-535.04	1,650.30	0.64	MWD	SB DIRECTIONAL SERVICES
-535.58	1,745.29	1.28	MWD	SB DIRECTIONAL SERVICES
-535.84	1,840.28	0.89	MWD	SB DIRECTIONAL SERVICES
-537.13	1,935.27	1.70	MWD	SB DIRECTIONAL SERVICES
-539.09	2,031.22	0.79	MWD	SB DIRECTIONAL SERVICES
-540.01	2,127.18	1.49	MWD	SB DIRECTIONAL SERVICES
-539.67	2,222.17	1.53	MWD	SB DIRECTIONAL SERVICES
-538.49	2,317.16	1.12	MWD	SB DIRECTIONAL SERVICES
-536.12	2,412.13	0.98	MWD	SB DIRECTIONAL SERVICES

-533.11	2,507.07	0.63	MWD	SB DIRECTIONAL SERVICES
-531.49	2,602.05	2.11	MWD	SB DIRECTIONAL SERVICES
-533.14	2,698.03	2.52	MWD	SB DIRECTIONAL SERVICES
-536.48	2,792.97	0.82	MWD	SB DIRECTIONAL SERVICES
-540.12	2,887.90	0.94	MWD	SB DIRECTIONAL SERVICES
-544.64	2,982.75	1.81	MWD	SB DIRECTIONAL SERVICES
-549.63	3,077.56	0.63	MWD	SB DIRECTIONAL SERVICES
-553.25	3,173.44	1.76	MWD	SB DIRECTIONAL SERVICES
-553.85	3,268.37	2.13	MWD	SB DIRECTIONAL SERVICES
-552.20	3,363.31	0.82	MWD	SB DIRECTIONAL SERVICES
-549.46	3,459.23	0.60	MWD	SB DIRECTIONAL SERVICES
-546.41	3,554.16	0.78	MWD	SB DIRECTIONAL SERVICES
-543.34	3,649.10	0.76	MWD	SB DIRECTIONAL SERVICES
-540.43	3,745.06	0.41	MWD	SB DIRECTIONAL SERVICES
-537.47	3,840.01	0.53	MWD	SB DIRECTIONAL SERVICES
-535.34	3,934.98	1.60	MWD	SB DIRECTIONAL SERVICES
-534.07	4,030.97	1.07	MWD	SB DIRECTIONAL SERVICES
-533.86	4,125.96	2.65	MWD	SB DIRECTIONAL SERVICES
-535.06	4,220.88	2.57	MWD	SB DIRECTIONAL SERVICES
-536.18	4,316.67	0.68	MWD	SB DIRECTIONAL SERVICES
-536.89	4,411.42	0.45	MWD	SB DIRECTIONAL SERVICES
-536.80	4,506.16	0.61	MWD	SB DIRECTIONAL SERVICES
-535.98	4,601.96	1.50	MWD	SB DIRECTIONAL SERVICES
-534.30	4,696.85	1.03	MWD	SB DIRECTIONAL SERVICES
-531.53	4,791.75	0.89	MWD	SB DIRECTIONAL SERVICES
-529.40	4,887.70	1.83	MWD	SB DIRECTIONAL SERVICES
-528.80	4,982.70	0.53	MWD	SB DIRECTIONAL SERVICES
-527.89	5,077.69	0.91	MWD	SB DIRECTIONAL SERVICES
-525.44	5,173.66	1.19	MWD	SB DIRECTIONAL SERVICES
-523.06	5,268.63	1.48	MWD	SB DIRECTIONAL SERVICES
-522.00	5,363.61	0.64	MWD	SB DIRECTIONAL SERVICES
-522.83	5,459.56	2.80	MWD	SB DIRECTIONAL SERVICES
-525.97	5,554.41	1.15	MWD	SB DIRECTIONAL SERVICES
-529.82	5,649.25	0.17	MWD	SB DIRECTIONAL SERVICES
-533.16	5,745.11	0.59	MWD	SB DIRECTIONAL SERVICES
-535.67	5,839.98	0.52	MWD	SB DIRECTIONAL SERVICES
-537.57	5,934.89	0.38	MWD	SB DIRECTIONAL SERVICES
-538.24	6,029.81	1.27	MWD	SB DIRECTIONAL SERVICES
-537.57	6,125.72	0.44	MWD	SB DIRECTIONAL SERVICES
-536.91	6,220.66	0.81	MWD	SB DIRECTIONAL SERVICES
-536.34	6,316.59	1.07	MWD	SB DIRECTIONAL SERVICES
-535.00	6,411.46	0.70	MWD	SB DIRECTIONAL SERVICES
-533.45	6,506.38	1.55	MWD	SB DIRECTIONAL SERVICES
-532.18	6,602.34	0.21	MWD	SB DIRECTIONAL SERVICES

-530.38	6,697.30	0.75	MWD	SB DIRECTIONAL SERVICES
-529.70	6,792.28	2.49	MWD	SB DIRECTIONAL SERVICES
-530.97	6,888.27	0.60	MWD	SB DIRECTIONAL SERVICES
-532.29	6,983.26	0.65	MWD	SB DIRECTIONAL SERVICES
-533.98	7,078.24	2.00	MWD	SB DIRECTIONAL SERVICES
-536.18	7,173.20	0.24	MWD	SB DIRECTIONAL SERVICES
-537.98	7,269.17	0.43	MWD	SB DIRECTIONAL SERVICES
-538.95	7,364.16	0.74	MWD	SB DIRECTIONAL SERVICES
-539.01	7,460.16	0.72	MWD	SB DIRECTIONAL SERVICES
-537.56	7,555.14	1.65	MWD	SB DIRECTIONAL SERVICES
-534.39	7,650.07	0.85	MWD	SB DIRECTIONAL SERVICES
-531.41	7,745.00	1.17	MWD	SB DIRECTIONAL SERVICES
-529.23	7,840.94	0.15	MWD	SB DIRECTIONAL SERVICES
-526.54	7,935.88	0.76	MWD	SB DIRECTIONAL SERVICES
-525.10	8,030.84	2.27	MWD	SB DIRECTIONAL SERVICES
-525.85	8,126.74	2.08	MWD	SB DIRECTIONAL SERVICES
-526.84	8,221.56	0.38	MWD	SB DIRECTIONAL SERVICES
-527.16	8,316.40	0.93	MWD	SB DIRECTIONAL SERVICES
-526.71	8,412.26	0.37	MWD	SB DIRECTIONAL SERVICES
-525.21	8,507.15	1.23	MWD	SB DIRECTIONAL SERVICES
-522.54	8,602.06	1.13	MWD	SB DIRECTIONAL SERVICES
-519.48	8,697.01	1.42	MWD	SB DIRECTIONAL SERVICES
-516.80	8,792.96	1.24	MWD	SB DIRECTIONAL SERVICES
-515.44	8,887.93	1.18	MWD	SB DIRECTIONAL SERVICES
-516.06	8,983.92	1.92	MWD	SB DIRECTIONAL SERVICES
-517.81	9,079.90	0.79	MWD	SB DIRECTIONAL SERVICES
-519.78	9,174.87	2.55	MWD	SB DIRECTIONAL SERVICES
-522.00	9,269.80	0.11	MWD	SB DIRECTIONAL SERVICES
-523.92	9,365.72	1.04	MWD	SB DIRECTIONAL SERVICES
-525.13	9,460.61	0.46	MWD	SB DIRECTIONAL SERVICES
-525.49	9,556.54	1.45	MWD	SB DIRECTIONAL SERVICES
-524.41	9,651.51	1.23	MWD	SB DIRECTIONAL SERVICES
-521.92	9,747.47	1.76	MWD	SB DIRECTIONAL SERVICES
-520.15	9,842.45	1.60	MWD	SB DIRECTIONAL SERVICES
-520.74	9,938.42	2.84	MWD	SB DIRECTIONAL SERVICES
-522.26	10,033.35	0.53	MWD	SB DIRECTIONAL SERVICES
-522.84	10,129.32	1.65	MWD	SB DIRECTIONAL SERVICES
-522.47	10,224.31	0.77	MWD	SB DIRECTIONAL SERVICES
-521.83	10,320.30	1.02	MWD	SB DIRECTIONAL SERVICES
-520.68	10,415.25	2.86	MWD	SB DIRECTIONAL SERVICES
-519.45	10,510.03	2.07	MWD	SB DIRECTIONAL SERVICES
-518.10	10,605.67	0.69	MWD	SB DIRECTIONAL SERVICES
-516.81	10,700.31	0.74	MWD	SB DIRECTIONAL SERVICES
-516.75	10,795.06	1.74	MWD	SB DIRECTIONAL SERVICES

-517.39	10,890.96	1.70	MWD	SB DIRECTIONAL SERVICES
-517.50	10,985.93	0.92	MWD	SB DIRECTIONAL SERVICES
-516.76	11,080.92	1.26	MWD	SB DIRECTIONAL SERVICES
-516.49	11,176.92	1.32	MWD	SB DIRECTIONAL SERVICES
-518.36	11,271.89	2.56	MWD	SB DIRECTIONAL SERVICES
-521.68	11,367.82	0.19	MWD	SB DIRECTIONAL SERVICES
-524.53	11,463.76	0.94	MWD	SB DIRECTIONAL SERVICES
-527.08	11,558.71	0.62	MWD	SB DIRECTIONAL SERVICES
-530.05	11,654.66	2.54	MWD	SB DIRECTIONAL SERVICES
-531.67	11,749.63	3.36	MWD	SB DIRECTIONAL SERVICES
-531.33	11,845.61	0.69	MWD	SB DIRECTIONAL SERVICES
-530.55	11,940.56	1.41	MWD	SB DIRECTIONAL SERVICES
-529.57	12,035.47	0.39	MWD	SB DIRECTIONAL SERVICES
-528.00	12,131.38	0.41	MWD	SB DIRECTIONAL SERVICES
-525.61	12,226.30	1.01	MWD	SB DIRECTIONAL SERVICES
-522.03	12,322.20	0.82	MWD	SB DIRECTIONAL SERVICES
-517.73	12,417.10	0.91	MWD	SB DIRECTIONAL SERVICES
-513.70	12,512.01	0.54	MWD	SB DIRECTIONAL SERVICES
-510.81	12,607.96	1.28	MWD	SB DIRECTIONAL SERVICES
-509.75	12,702.92	1.54	MWD	SB DIRECTIONAL SERVICES
-508.94	12,798.87	1.04	MWD	SB DIRECTIONAL SERVICES
-508.26	12,893.84	1.13	MWD	SB DIRECTIONAL SERVICES
-509.04	12,989.82	1.24	MWD	SB DIRECTIONAL SERVICES
-510.68	13,084.80	0.37	MWD	SB DIRECTIONAL SERVICES
-512.59	13,180.76	1.61	MWD	SB DIRECTIONAL SERVICES
-514.52	13,275.67	0.38	MWD	SB DIRECTIONAL SERVICES
-515.82	13,370.61	1.54	MWD	SB DIRECTIONAL SERVICES
-516.67	13,466.60	2.16	MWD	SB DIRECTIONAL SERVICES
-517.79	13,561.59	0.86	MWD	SB DIRECTIONAL SERVICES
-518.22	13,656.57	2.38	MWD	SB DIRECTIONAL SERVICES
-518.15	13,752.51	0.32	MWD	SB DIRECTIONAL SERVICES
-517.74	13,847.46	1.24	MWD	SB DIRECTIONAL SERVICES
-516.89	13,942.45	0.78	MWD	SB DIRECTIONAL SERVICES
-515.70	14,038.44	1.24	MWD	SB DIRECTIONAL SERVICES
-514.97	14,133.43	2.09	MWD	SB DIRECTIONAL SERVICES
-515.54	14,229.41	0.58	MWD	SB DIRECTIONAL SERVICES
-516.28	14,324.41	1.20	MWD	SB DIRECTIONAL SERVICES
-516.25	14,419.37	3.71	MWD	SB DIRECTIONAL SERVICES
-515.64	14,514.23	0.09	MWD	SB DIRECTIONAL SERVICES
-514.97	14,609.17	2.78	MWD	SB DIRECTIONAL SERVICES
-514.35	14,705.13	2.09	MWD	SB DIRECTIONAL SERVICES
-514.83	14,800.04	1.23	MWD	SB DIRECTIONAL SERVICES
-515.86	14,895.99	1.16	MWD	SB DIRECTIONAL SERVICES
-516.07	14,991.98	0.74	MWD	SB DIRECTIONAL SERVICES

-515.39	15,086.97	1.28	MWD	SB DIRECTIONAL SERVICES
-513.79	15,181.94	1.50	MWD	SB DIRECTIONAL SERVICES
-511.88	15,277.89	0.37	MWD	SB DIRECTIONAL SERVICES
-510.43	15,371.87	1.13	MWD	SB DIRECTIONAL SERVICES
-509.55	15,442.86	0.00	BIT	

Snapset II Packer

The Snapset II Packer is a compression set tool requiring only straight set down weight to pack-off. It is run above other packers such as the ASIII to selectively treat, produce or inject in multiple zone completions. It is also used to isolate casing hole perforations. The Snapset II features a large bypass area to prevent swabbing when running and retrieving. Once the tool is set, pressure from above or below acts down on the valve maintaining the seal and preventing upward movement of the tubing. Releasing the valve allows debris to be washed from the upper slips. This packer is also equipped with an internal latch to prevent presetting when running. When releasing, the latch re-engages to allow movement down hole.

Special Features

- Large internal bypass
- Mechanical slips vs. hydraulic buttons
- Differential pressure holds valve closed
- Set down to pack off, pick up to release

Specification Guide

Casing				Packer			Part Number
O.D.	Weight lb/ft	Min I.D.	Max I.D.	O.D.	I.D.	Thread Connection Box up/Pin down	
3½	7.7 - 10.2	2.922	3.068	2.781	1.25	1.900 NU	63635
4½	15.1	3.826	3.826	3.656	1.94	2⅜ EUE	63644
4½	9.5 - 13.5	3.920	4.090	3.750	1.94	2⅜ EUE	63645
5	18.0 - 21.0	4.154	4.276	4.000	1.94	2⅜ EUE	63652
5½	14.0 - 20.0	4.778	5.012	4.625	2.00	2⅜ EUE	63655
5½	14.0 - 20.0	4.670	4.778	4.625	2.38	2⅞ EUE	63656
5½	20.0 - 23.0	4.670	4.778	4.500	2.00	2⅜ EUE	63657
5½	20.0 - 23.0	4.670	4.778	4.500	2.38	2⅞ EUE	63658
7	26.0 - 32.0	6.094	6.276	5.875	2.50	2⅞ EUE	63670
7	17.0 - 26.0	6.276	6.538	6.000	2.50	2⅞ EUE	63672
7	17.0 - 26.0	6.276	6.538	6.000	3.00	3½ EUE	63674
7⅝	24.0 - 29.7	6.875	7.025	6.672	2.50	2⅞ EUE	63675
7⅝	33.7 - 39.0	6.625	6.765	6.453	2.50	2⅞ EUE	63676

** Other sizes and connections available on request*

From: Vo, Long T
To: Evans, Arianna
Subject: Re: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H
Date: Friday, February 9, 2024 1:05:45 PM
Attachments: image001.png
image002.png

Could you create a new sundry with the new plan?

Regards,

Long Vo, EIT, M.Sc.

Petroleum Engineer SME
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

From: Evans, Arianna <Arianna.Evans@dvn.com>
Sent: Thursday, February 8, 2024 7:09 AM
To: Vo, Long T <lvo@blm.gov>
Subject: FW: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

I noticed that you returned sundry 2771585. Do you just want me to create a new sundry for Eric's new plan? Or add the data sheet to sundry 2771585?

From: Sappington, Eric <Eric.Sappington@dvn.com>
Sent: Wednesday, February 7, 2024 3:09 PM
To: Evans, Arianna <Arianna.Evans@dvn.com>; Deal, Rebecca <Rebecca.Deal@dvn.com>
Subject: RE: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Just this datasheet for the second packer that will be used.

Eric Sappington, P.E.
Asset Production Engineer - Delaware
Office: (405) 552-4739
Cell: (918) 282-6297
eric.sappington@dvn.com

From: Evans, Arianna <Arianna.Evans@dvn.com>
Sent: Wednesday, February 7, 2024 3:07 PM

To: Sappington, Eric <Eric.Sappington@dvn.com>; Deal, Rebecca <Rebecca.Deal@dvn.com>
Subject: RE: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Yes, I can get the sundry filed! Please send any documentation that you have already sent to Long so I can send it in the sundry as well.

From: Sappington, Eric <Eric.Sappington@dvn.com>
Sent: Wednesday, February 7, 2024 3:03 PM
To: Evans, Arianna <Arianna.Evans@dvn.com>; Deal, Rebecca <Rebecca.Deal@dvn.com>
Subject: FW: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Ariana/Rebecca,

We have had to pivot on the Burton Flat 333H and have verbal approval from Long for the below procedure to change over to a two-packer system to allow for gas lift above the top HIC.

He has asked that we follow up the below approval with a formal sundry within 5 business days. Would you mind putting that together?

Please let me know if I can assist.

Thanks,

Eric Sappington, P.E.
Asset Production Engineer - Delaware
Office: (405) 552-4739
Cell: (918) 282-6297
eric.sappington@dvn.com

From: Vo, Long T <lvo@blm.gov>
Sent: Wednesday, February 7, 2024 9:16 AM
To: Sappington, Eric <Eric.Sappington@dvn.com>
Subject: Re: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Eric,

You are approved with the proposed plan, please within 5 business days follow up with a formal sundry.

Regards,

Long Vo, EIT, M.Sc.

Petroleum Engineer SME
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

From: Sappington, Eric <Eric.Sappington@dvn.com>
Sent: Wednesday, February 7, 2024 8:15 AM
To: Vo, Long T <lvo@blm.gov>
Subject: RE: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Long,

See below for high level testing and installation procedure. After discussing with our internal SMEs, we have elected to leave the AS1X packer downhole and install a Snapset II compression set packer above it. For an effective straddle packer system.

Please see attached for Snapset II datasheet, and I am glad to discuss if you have any questions.

1. Perform negative pressure test down tubing
2. Unlatch from AS1X
3. POOH with tubing
4. PU Snapset packer and GLVs
5. RIH to 8,171’ MD, relatch onto AS1X
6. Compression set Snapset at 5,400' MD
7. Positive pressure test annulus to 500 PSIG
8. RDMO. Bring well on production

Best Regards,

Eric Sappington, P.E.
Asset Production Engineer - Delaware
Office: (405) 552-4739
Cell: (918) 282-6297
eric.sappington@dvn.com

devon

From: Vo, Long T <lvo@blm.gov>
Sent: Tuesday, February 6, 2024 11:24 AM
To: Sappington, Eric <Eric.Sappington@dvn.com>
Subject: Re: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Eric,

If you could also send me the pressure testing procedure to test the straddle packer isolating the casing from the Brushy Canyon.

Regards,

Long Vo, EIT, M.Sc.

Petroleum Engineer SME
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

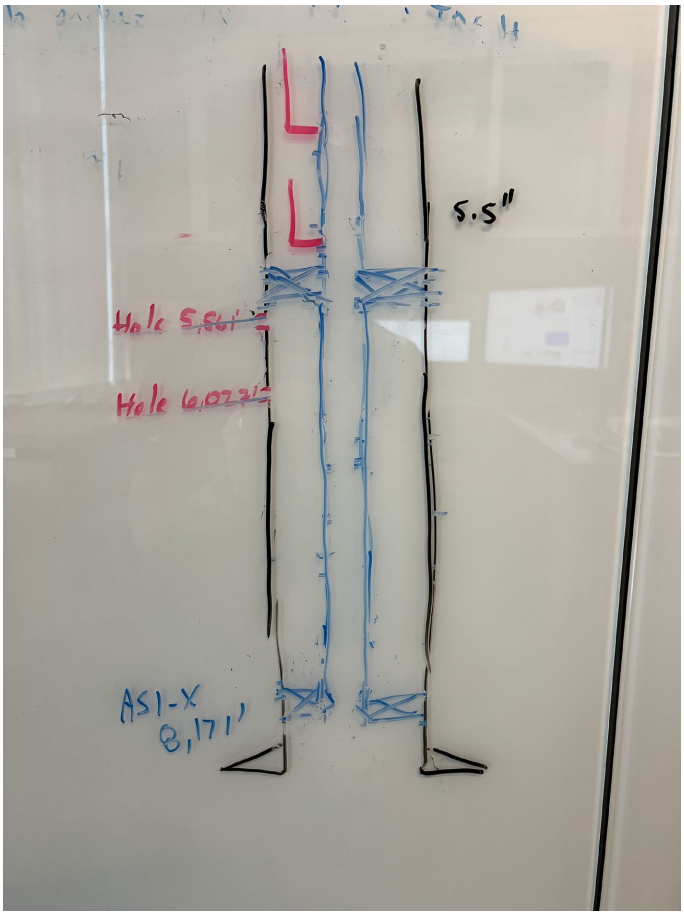
From: Sappington, Eric <Eric.Sappington@dvn.com>
Sent: Tuesday, February 6, 2024 10:46 AM
To: Vo, Long T <lvo@blm.gov>
Subject: RE: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Long,

We have unfortunately not seen the production or pressures we were expecting from the Burton Flat 3-1 FSC 333H, and it has loaded up. We are entertaining exotic coil-based gas lift options that will run inside the 2-7/8" tubing and maintain the current approved wellbore setup, but there are extensive lead times.

I am reaching out to see if you would approve a straddle packer design to allow for proper gas lift. The isolated annular space that is exposed to the HIC's at 6,027' MD and 5,561' MD has not exceeded 250 PSIG so I do not believe we would be at risk by isolating that between the straddle packer system.

See below for a crude sketch of the proposed design.



I am glad to hop on the phone to discuss and provide any additional information

Best Regards,

Eric Sappington, P.E.
Asset Production Engineer - Delaware
Office: (405) 552-4739
Cell: (918) 282-6297
eric.sappington@dvn.com

devon

From: Vo, Long T <lvo@blm.gov>

Sent: Tuesday, January 23, 2024 8:24 AM
To: Sappington, Eric <Eric.Sappington@dvn.com>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Evans, Arianna <Arianna.Evans@dvn.com>
Subject: Re: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Sounds good, you have verbal approval to proceed per proposed plan. Please follow up with a formal sundry. For the casing patch, please include the patch specifications and pressure test before stimulations. Please squeeze again, perform a negative pressure test, install the patch, and perform a positive pressure test similar to the proposed plan of Muskie (3002549660) well.

Regards,

Long Vo, EIT, M.Sc.

Petroleum Engineer SME
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

From: Sappington, Eric <Eric.Sappington@dvn.com>
Sent: Tuesday, January 23, 2024 7:23 AM
To: Vo, Long T <lvo@blm.gov>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Evans, Arianna <Arianna.Evans@dvn.com>
Subject: RE: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Will do.

We already have PTs setup to monitor both the annulus and intermediate pressures for any change. Our wing valves are plumbed into our production system, so any venting would be into our closed loop system.

Regards,

Eric Sappington, P.E.
Asset Production Engineer - Delaware
Office: (405) 552-4739
Cell: (918) 282-6297

eric.sappington@dvn.com

devon

From: Vo, Long T <lvo@blm.gov>
Sent: Monday, January 22, 2024 4:56 PM
To: Sappington, Eric <Eric.Sappington@dvn.com>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Evans, Arianna <Arianna.Evans@dvn.com>
Subject: Re: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

If you would like to measure the pressure build up, please monitor the annulus pressure and vent the pressure build up to prevent spills at surface with a pressure safety relief valve. Please vent the gas in closed loop system.

Regards,

Long Vo, EIT, M.Sc.

Petroleum Engineer SME
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

From: Sappington, Eric <Eric.Sappington@dvn.com>
Sent: Monday, January 22, 2024 4:42 PM
To: Vo, Long T <lvo@blm.gov>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Evans, Arianna <Arianna.Evans@dvn.com>
Subject: RE: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Fixing top HIC typos on requested specific setting depths.

From: Sappington, Eric
Sent: Monday, January 22, 2024 4:35 PM
To: Vo, Long T <lvo@blm.gov>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Evans, Arianna <Arianna.Evans@dvn.com>
Subject: RE: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Long,

Apologies, top HIC is 5,561' MD. To confirm, you would prefer a straddle packer system with isolation above the top HIC at 5,561' MD, and below the lower HIC at 6,027' MD? My thoughts there are that we would be unable to measure the pressure build-up, if we had complete isolation above and below, but I understand where you are coming from. Please advise.

Testing depth above the 5,561' HIC would be 5,461'
Testing depth below the 6,027' HIC would be 6,127'

Set depth for the production packer would be 8,182'

Thanks,

Eric Sappington, P.E.
Asset Production Engineer - Delaware
Office: (405) 552-4739
Cell: (918) 282-6297
eric.sappington@dvn.com

From: Vo, Long T <lvo@blm.gov>
Sent: Monday, January 22, 2024 4:13 PM
To: Sappington, Eric <Eric.Sappington@dvn.com>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Evans, Arianna <Arianna.Evans@dvn.com>
Subject: Re: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Eric,

Could you set another packer just above the HIC at 5527' to isolate that zone. My concern would be the pressure build up within the annulus space between the tubing and the production casing. Could you also clarify the packer setting depths?

Regards,

Long Vo, EIT, M.Sc.

Petroleum Engineer SME
Carlsbad Field Office

Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

From: Sappington, Eric <Eric.Sappington@dvn.com>
Sent: Monday, January 22, 2024 2:49 PM
To: Vo, Long T <lvo@blm.gov>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Evans, Arianna <Arianna.Evans@dvn.com>
Subject: [EXTERNAL] RE: Burton Flat 3-1 Fed State Com 333H

Long,

See attached for packer datasheets. Please see below for testing and production BHA procedure. We plan to come back in November to set the casing patch, and finish the remaining 27 frac stages.

Current Well Status: Confirmed HIC's at 5,561' MD and 6,027' MD. Drill out has concluded, and the well is awaiting tube up. The well is completed in the 3BSSS, but only has 35 of 61 frac stages completed.

Objective: Pressure test casing above and below HICs. Set packer below bottom HIC. Run in **2-7/8" 6.5# L-80 tubing** open ended.

Procedure:

1. MIRU Wireline. Hold PJSM. Make sure everyone on location is aware of who the PIC "Person-In-Charge" is.
2. RIH w/ RBP to ~8,200' MD.
3. MIRU WO Rig.
4. Nipple up BOP configuration with Pipe Ram and Blind Shear ram over the frac valves and Stripper Rams and Single Pipe Ram on top. Connect kill line and bleed-off line. Test according to DVN specifications.
5. Pick up Weatherford H/D multi-set packer and tubing. RIH and set packer at ~6,100' MD. Pressure test down tubing. Test casing section to 3000 PSI, hold for 30 minutes.
6. Unseat Weatherford H/D multi-set packer, and POOH w/ tubing to ~5,400' MD and set packer. Pressure test down annulus. Test casing section to 3000 PSI, hold for 30 minutes.
7. Unseat Weatherford H/D multi-set packer, and POOH.
8. Retrieve RBP
9. Begin tripping in with 2-7/8" 6.5# **L-80 tubing,** AS1X production packer, and below BHA. Land

tubing in hanger. EOT @ +/- 8,200' MD (3 degrees inclination).

10. Nipple down BOP configuration. Nipple up production tree. Test tree per DVN specifications.
11. RDMO. Secure wellhead. Release rentals.

Production BHA
2-7/8" Tbg
2-7/8" X Nipple (2.313")
2-7/8" Tbg
2-7/8" x 5-1/2" AS1X Packer
2-7/8" X Nipple w/ 2.205" No Go
2-7/8" Tbg
2-7/8" WLEG

Please let me know if there are any questions.

Best Regards,

Eric Sappington, P.E.
Asset Production Engineer - Delaware
Office: (405) 552-4739
Cell: (918) 282-6297
eric.sappington@dvn.com

devon

From: Evans, Arianna <Arianna.Evans@dvn.com>
Sent: Friday, January 19, 2024 11:38 AM
To: Vo, Long T <lvo@blm.gov>
Cc: Deal, Rebecca <Rebecca.Deal@dvn.com>; Flores, Gonzalo <Gonzalo.Flores@dvn.com>; Sappington, Eric <Eric.Sappington@dvn.com>
Subject: Burton Flat 3-1 Fed State Com 333H

Good Morning Long-

Please read the events below and let me know if I would need to file a subsequent report. We are requesting to move forward with a temporary production plan following drillout. We would run in hole with either a single packer, or straddle packer system, to isolate the holes in casing, and produce the well. We plan to come back in November 2024 with a casing patch and complete the stim alongside our upcoming Burton Flat 3-1 South program. I have cc'd the production and

completion engineer just in case you have any technical questions.

Burton Flat 3-1 Fed State Com 333H - Summary Timeline

12/21/2023 – Frac stages 33-35. On wireline run for stage 36, tagged up at 6,018'. Unable to get down.

12/22/2023 – Run 3.62" gauge ring and tagged at 6,076'.

12/25/2023 – Run 4.25" impression block and made it through the 6000' bad spot

12/27/2023 – Ran Dark Vision Hades-R log to KOP (8,280') and logged to surface.

12/29/2023 – Received Hades-R imaging which showed two holes (5,561' WLM and 6,027' WLM)

- 5,561': Area 0.961 in^2, Max Length 1.78 in, Midpoint Length 0.41 in
- 6,027': Area 0.886 in^2, Max Length 2.05 in, Midpoint Length 0.57 in

12/31/2023 – Performed cement squeeze on hole at 6,027' WLM

- CBP @ 6,085', cement retainer @ 5,960'
- Spinnaker 150 SX, Class C Neat Cement 14.8 ppg, 1.32 yld, 6.32 gal/sx
- Final Rate 1 BPM @ 1700 psi

1/2/2024 – Performed cement squeeze on hole at 5,561' WLM

- CBP @ 5,620', cement retainer @ 5,485'
- Spinnaker 150 SX, Class C Neat Cement 14.8 ppg, 1.32 yld, 6.32 gal/sx
- Final Rate 1 BPM @ 3900 psi

1/3/2024 – Drillout upper squeeze and pressure tested to 3,000 psi. Upper squeeze failed test

1/4/2024 – Cleaned out well to 6,101' CTM

1/7/2024 – Pressure tested lower squeeze at 3,000 psi and lower squeeze failed test

1/12/2023 – Performed cement squeeze #2 on hole at 6,027' WLM

- CBP @ 6,085', cement retainer @ 5,960'
- HES Well Lock Resin System
- 0.5 BPM @ 5,200 psi

1/13/2024 – Performed cement squeeze #2 on hole at 5,561' WLM

- CBP @ 5,581', cement retainer @ 5,485'
- HES Well Lock Resin System
- 0.25 BPM @ 5500 psi

1/17/2024 – Drillout upper squeeze and pressure tested to 3,000 psi. Upper squeeze failed test.

1/18/2024 – Cleanout to 6,068'.

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NOI CASING SUNDRY
Burton Flat 3-1 Fed Com 333H
API 30-015-53882

Current Well Status: Confirmed HIC's at 5,561' MD and 6,027' MD. Drill out has concluded, and the well is awaiting tube up. The well is completed in the 3BSSS, but only has 35 of 61 frac stages completed.

Objective: Pressure test casing above and below HICs. Set packer below bottom HIC. Run in **2-7/8" 6.5# L-80 tubing** open ended.

Procedure:
1. Move in rig up WL and all related equipment. Note/record all pressures.
2. Run in hole with gauge ring to top "XN" nipple @ 8,188' MD to verify tubing is clear.
- Note: Last fluid level shot showed fluid to surface.
4. Run in hole with plug to set in bottom "XN" nipple to prep for WOR rig ops
5. RDMO WL and turn well over to WOR
6. Move in rig up WOR and all related equipment. Note/record all pressures.
7. Bleed pressure from tubing and casing
- Note: We have two holes in casing at 5,561' MD and 6,027' MD.
- Will want to be careful when bleeding down casing psi and may not bleed down completely and need to trickle FW to maintain hydrostatic barrier
8. Pump hydrostatic barrier as required by pumping down backside. Complete flow check. Leave pump rigged up so it can trickle fluid.
9. Install BPV, ND WH, NU BOPs, pull BPV. Pressure and function test BOPs.
- BOP stack top to bottom: pipe ram and blind ram
10. J off packer (packer will stay downhole), TOOH with tubing while scanning.
- Send scan results to vendorscans@dvn.com
- Fill hole for displacement
- Monitor trip speed to reduce chance of packer swabbing wellbore.
11. PU/MU BHA in order to make bit/scraper run down to 5,425' MD to clean casing wall for compression packer. POOH.
12. TIH w/ production tubing, compression set packer and gas lift valves while hydrotesting in accordance with design provided in the packet
13. We will follow Watson packer guidelines but will RIH and latch back onto AS1-X packer.
14. Follow proper space out steps and set compression set Watson Snapset packer at 5,400' MD
15. Land tubing hanger.
16. Install BPV, ND BOPs, NU WH, pull BPV
17. Perform positive and negative pressure test on backside of Snapset packer in order to verify packer has properly isolated holes in casing from injection gas
- For positive pressure test, we will fill tubing and shut-in tubing in order to test against plug set in X-nipple. Test to 500 psi and document in WV
18. RDMO WOR and turn well over to WL
19. Move in rig up WL and all related equipment. Note/record all pressures.
20. Run in hole to retrieve plug from bottom "XN" nipple
21. RDMO WL and turn well over to production. Start injection down backside at 250 mcfd

PROPOSED TUBING DETAIL

Tubing and Packer detail	Est Joints	Port Size	TRO	PSO	PSC	Length (ft)	Top Depth (ft)
KB Adjustment	-					30.00'	**0'**
2-7/8" Tbg Hanger						0.50'	**30'**
2-7/8" 6.5# L-80 8rd EUE tbg (spacing subs as needed)	-						**31'**
2-7/8" x 1" L-80 GL Mandrel (**TUBING FLOW**)	-	12		1,247	1,192		**2,458'**
2-7/8" 6.5# L-80 8rd EUE tbg							
2-7/8" x 1" L-80 GL Mandrel (**TUBING FLOW**)	-	16		1,209	1,152		**3,619'**
2-7/8" 6.5# L-80 8rd EUE tbg							
2-7/8" x 1" L-80 GL Mandrel (**TUBING FLOW**)	-	16		1,172	1,115		**4,201'**
2-7/8" 6.5# L-80 8rd EUE tbg							
2-7/8" x 1" L-80 GL Mandrel (**TUBING FLOW**)	-	16		1,133	1,076		**4,783'**
2-7/8" 6.5# L-80 8rd EUE tbg							
2-7/8" x 1" L-80 GL Mandrel (**TUBING FLOW**)	-	20		S/O	S/O		**5,365'**
2-7/8" 6.5# L-80 8rd EUE tbg							
Watson Snapset Compression Packer	**-**	**-**		**-**	**-**		**5,400'**
2-7/8" 6.5# L-80 8rd EUE tbg							
On/Off tool							**8,171'**

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 322018

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 322018
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Notify OCD when BHA is modified and will review conditions at that time.	5/14/2024