

Form 3160-2  
(March 2010)

**HOBBBS 000CD Hobbs**  
**JUL 19 2018**  
**RECEIVED**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC0063798
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KAISER FRANCIS OIL COMPANY (12361)		7. If Unit or CA Agreement, Name and No. BELL LAKE / NMNM068292X (316706)
3a. Address 6733 S. Yale Ave. Tulsa OK 74121		8. Lease Name and Well No. BELL LAKE UNIT SOUTH 404H
3b. Phone No. (include area code) (918)491-0000		9. API Well No. 30-025-41017
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SENW / 2392 FNL / 2181 FWL / LAT 32.247279 / LONG -103.527559 At proposed prod. zone SWSE / 330 FSL / 2290 FEL / LAT 32.225743 / LONG -103.524919		10. Field and Pool, or Exploratory ANTELOPE RIDGE WEST / WOLFCAMI
14. Distance in miles and direction from nearest town or post office* 22 miles		11. Sec., T. R. M. or Blk. and Survey or Area SEC 1 / T24S / R33E / NMP
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 330 feet	16. No. of acres in lease 2480	17. Spacing Unit dedicated to this well 240
18. Distance from proposed location* to nearest well, drilling, completed, 1110 feet applied for, on this lease, ft.	19. Proposed Depth 12085 feet / 20063 feet	20. BLM/BIA Bond No. on file FED: WYB000055
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3630 feet	22. Approximate date work will start* 06/01/2018	23. Estimated duration 40 days

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) Melanie Wilson / Ph: (575)914-1461	Date 03/02/2018
Title Regulatory Analyst		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 06/12/2018
Title Supervisor Multiple Resources CARLSBAD		

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

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

(Continued on page 2)

6/11/18 Rec 07/19/18

**APPROVED WITH CONDITIONS**  
Approval Date: 06/12/2018

\*(Instructions on page 2)

07/23/18

Double sided

## INSTRUCTIONS

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

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

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

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

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

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

## NOTICES

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

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

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

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

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

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

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

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

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

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

## Additional Operator Remarks

### Location of Well

1. SHL: SENW / 2392 FNL / 2181 FWL / TWSP: 24S / RANGE: 33E / SECTION: 1 / LAT: 32.247279 / LONG: -103.527559 ( TVD: 0 feet, MD: 0 feet )  
PPP: NWNE / 0 FNL / 2260 FEL / TWSP: 24S / RANGE: 33E / SECTION: 12 / LAT: 32.239357 / LONG: -103.524942 ( TVD: 12085 feet, MD: 15110 feet )  
PPP: NWSE / 2600 FSL / 2260 FEL / TWSP: 24S / RANGE: 33E / SECTION: 1 / LAT: 32.246506 / LONG: -103.52483 ( TVD: 12085 feet, MD: 12510 feet )  
BHL: SWSE / 330 FSL / 2290 FEL / TWSP: 24S / RANGE: 33E / SECTION: 12 / LAT: 32.225743 / LONG: -103.524919 ( TVD: 12085 feet, MD: 20063 feet )

### BLM Point of Contact

Name: Katrina Ponder

Title: Geologist

Phone: 5752345969

Email: kponder@blm.gov

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## Review and Appeal Rights

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

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

## Operator Certification Data Report

06/20/2018

### Operator Certification

*I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.*

**NAME:** Melanie Wilson

**Signed on:** 01/23/2018

**Title:** Regulatory Analyst

**Street Address:** 106 W. Riverside Drive

**City:** Calsbad

**State:** NM

**Zip:** 88220

**Phone:** (575)914-1461

**Email address:** mjp1692@gmail.com

### Field Representative

**Representative Name:** Robert Sanford

**Street Address:** 6733 S Yale Ave

**City:** Tulsa

**State:** OK

**Zip:** 74136

**Phone:** (918)770-2682

**Email address:** roberts@kfoc.net



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

## Application Data Report

06/20/2018

APD ID: 10400027495

Submission Date: 03/02/2018

Highlighted data  
reflects the most  
recent changes

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 404H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - General

APD ID: 10400027495

Tie to previous NOS?

Submission Date: 03/02/2018

BLM Office: CARLSBAD

User: Melanie Wilson

Title: Regulatory Analyst

Federal/Indian APD: FED

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

Lease number: NMLC0063798

Lease Acres: 2480

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? YES  
Federal or Indian agreement? FEDERAL  
Agreement number: NMLC0063798

Agreement name:

Keep application confidential? YES

Permitting Agent? NO

APD Operator: KAISER FRANCIS OIL COMPANY

Operator letter of designation:

### Operator Info

Operator Organization Name: KAISER FRANCIS OIL COMPANY

Operator Address: 6733 S. Yale Ave.

Zip: 74121

Operator PO Box: PO Box 21468

Operator City: Tulsa

State: OK

Operator Phone: (918)491-0000

Operator Internet Address:

### Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: BELL LAKE UNIT SOUTH

Well Number: 404H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: ANTELOPE RIDGE Pool Name: WOLFCAMP  
WEST

Is the proposed well in an area containing other mineral resources? POTASH

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

**Describe other minerals:**

**Is the proposed well in a Helium production area?** N **Use Existing Well Pad?** NO **New surface disturbance?**

**Type of Well Pad:** MULTIPLE WELL

**Multiple Well Pad Name:**  
SOUTH BELL LAKE UNIT

**Number:** 1

**Well Class:** HORIZONTAL

**Number of Legs:** 1

**Well Work Type:** Drill

**Well Type:** OIL WELL

**Describe Well Type:**

**Well sub-Type:** EXPLORATORY (WILDCAT)

**Describe sub-type:**

**Distance to town:** 22 Miles

**Distance to nearest well:** 1110 FT

**Distance to lease line:** 330 FT

**Reservoir well spacing assigned acres Measurement:** 240 Acres

**Well plat:** Bell\_Lake\_Unit\_South\_404H\_\_C102\_20180228110927.pdf

Bell\_Lake\_Unit\_South\_404H\_Pymt\_Rec\_20180302072713.pdf

**Well work start Date:** 06/01/2018

**Duration:** 40 DAYS

### Section 3 - Well Location Table

**Survey Type:** RECTANGULAR

**Describe Survey Type:**

**Datum:** NAD83

**Vertical Datum:** NAVD88

**Survey number:**

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	239 2	FNL	218 1	FWL	24S	33E	1	Aliquot SENW	32.24727 9	- 103.5275 59	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	363 0	0	0
KOP Leg #1	209 4	FNL	225 5	FEL	24S	33E	1	Aliquot SWNE	32.24795 6	- 103.5243 44	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 788 2	116 10	115 12
PPP Leg #1	260 0	FSL	226 0	FEL	24S	33E	1	Aliquot NWSE	32.24650 6	- 103.5248 3	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 845 5	125 10	120 85

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
PPP Leg #1	0	FNL	226 0	FEL	24S	33E	12	Aliquot NWNE	32.23935 7	- 103.5249 42	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 063798	- 845 5	151 10	120 85
EXIT Leg #1	330	FSL	229 0	FEL	24S	33E	12	Aliquot SWSE	32.22574 3	- 103.5249 19	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 063798	- 845 5	200 63	120 85
BHL Leg #1	330	FSL	229 0	FEL	24S	33E	12	Aliquot SWSE	32.22574 3	- 103.5249 19	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 063798	- 845 5	200 63	120 85





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

## Drilling Plan Data Report

06/20/2018

APD ID: 10400027495

Submission Date: 03/02/2018

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 404H

Well Type: OIL WELL

Well Work Type: Drill



[Show Final Text](#)

### Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	---	3630	0	0		NONE	No
2	RUSTLER	2232	1400	1400		NONE	No
3	SALADO	1830	1800	1800		NONE	No
4	TOP SALT	1480	2150	2150		NONE	No
5	BASE OF SALT	-1420	5050	5050		NONE	No
6	LAMAR	-1670	5300	5300		NATURAL GAS,OIL	No
7	BELL CANYON	-1820	5450	5450		NATURAL GAS,OIL	No
8	CHERRY CANYON	-2670	6300	6300		NATURAL GAS,OIL	No
9	BRUSHY CANYON	-4100	7730	7730		NATURAL GAS,OIL	No
10	BONE SPRING	-5240	8870	8870		NATURAL GAS,OIL	No
11	AVALON SAND	-5400	9030	9030		NATURAL GAS,OIL	No
12	BONE SPRING 1ST	-6370	10000	10000		NATURAL GAS,OIL	No
13	BONE SPRING 2ND	-6960	10590	10590		NATURAL GAS,OIL	Yes
14	BONE SPRING LIME	-7420	11050	11050		NATURAL GAS,OIL	No
15	BONE SPRING 3RD	-7930	11560	11560		NATURAL GAS,OIL	No
16	WOLFCAMP	-8255	11885	11885		NATURAL GAS,OIL	No

### Section 2 - Blowout Prevention

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 404H

Pressure Rating (PSI): 10M

Rating Depth: 18000

Equipment: Annular. The BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.

Requesting Variance? YES

Variance request: Flex Hose Variance

Testing Procedure: 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 of the components installed will be functional and tested.

Choke Diagram Attachment:

Bell\_Lake\_Unit\_South\_404H\_Chk\_Diagram\_Rev1\_20180302072051.pdf

BOP Diagram Attachment:

Bell\_Lake\_Unit\_South\_404H\_Flex\_Hose\_Data\_20180220103232.pdf

Bell\_Lake\_Unit\_South\_404H\_BOP\_Rev1\_20180302072107.pdf

### Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	14.75	10.75	NEW	API	N	0	1350	0	1350			1350	J-55	40.5	STC	2.5	5	DRY	7.7	DRY	11.5
2	INTERMEDIATE	9.875	7.625	NEW	API	N	0	11560	0	11560			11560	HCP-110	29.7	LTC	1.3	1.8	DRY	2.2	DRY	2.7
3	PRODUCTION	6.75	5.5	NEW	API	N	0	20063	0	20063			20063	P-110	20	OTHER - USS EAGLE SFH	1.5	1.7	DRY	2	DRY	2.7

Casing Attachments

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

#### Casing Attachments

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

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Bell\_Lake\_Unit\_South\_404H\_\_Csg\_Assumptions\_Rev1\_20180302072125.pdf

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**Casing ID:** 2      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Bell\_Lake\_Unit\_South\_404H\_\_Csg\_Assumptions\_Rev1\_20180302072138.pdf

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**Casing ID:** 3      **String Type:** PRODUCTION

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Bell\_Lake\_Unit\_South\_404H\_\_Csg\_Assumptions\_Rev1\_20180302072149.pdf

Bell\_Lake\_Unit\_South\_404H\_5.5\_Csg\_Specs\_20180302072333.pdf

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#### Section 4 - Cement

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 404H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1350	715	1.73	13.5	1230	100	BJ Lead	IntegraSeal
SURFACE	Tail		0	1156 0	225	1.34	14.8	296	100	BJ Tail	IntegraSeal
INTERMEDIATE	Lead		0	1156 0	1295	2.55	11.3	3301	100	BJ Premium	Extender
INTERMEDIATE	Tail		0	1156 0	605	1.76	13.2	1060. 6	50	BJ Premium	Extender
PRODUCTION	Lead		1126 0	2006 3	0	0	0	0	0	-	-
PRODUCTION	Tail		1126 0	2006 3	665	1.28	14.2	849.6	15	BJ Tail	Extender

### Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

### Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1156 0	2006 3	OTHER : Cut Brine	11.5	12.5							
1350	1156 0	OTHER : Brine	8.7	9							
0	1350	OTHER : Fresh Water	8.4	9							

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

### Section 6 - Test, Logging, Coring

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

None planned

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

DS,GR,MUDLOG

**Coring operation description for the well:**

None planned

### Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 7541

**Anticipated Surface Pressure:** 4882.3

**Anticipated Bottom Hole Temperature(F):** 175

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

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** YES

**Hydrogen sulfide drilling operations plan:**

Bell\_Lake\_Unit\_South\_404H\_H2S\_Contingency\_Plan\_20180220105700.DOC

### Section 8 - Other Information

**Proposed horizontal/directional/multi-lateral plan submission:**

Bell\_Lake\_Unit\_South\_404H\_Directional\_Plan\_20180220105946.pdf

**Other proposed operations facets description:**

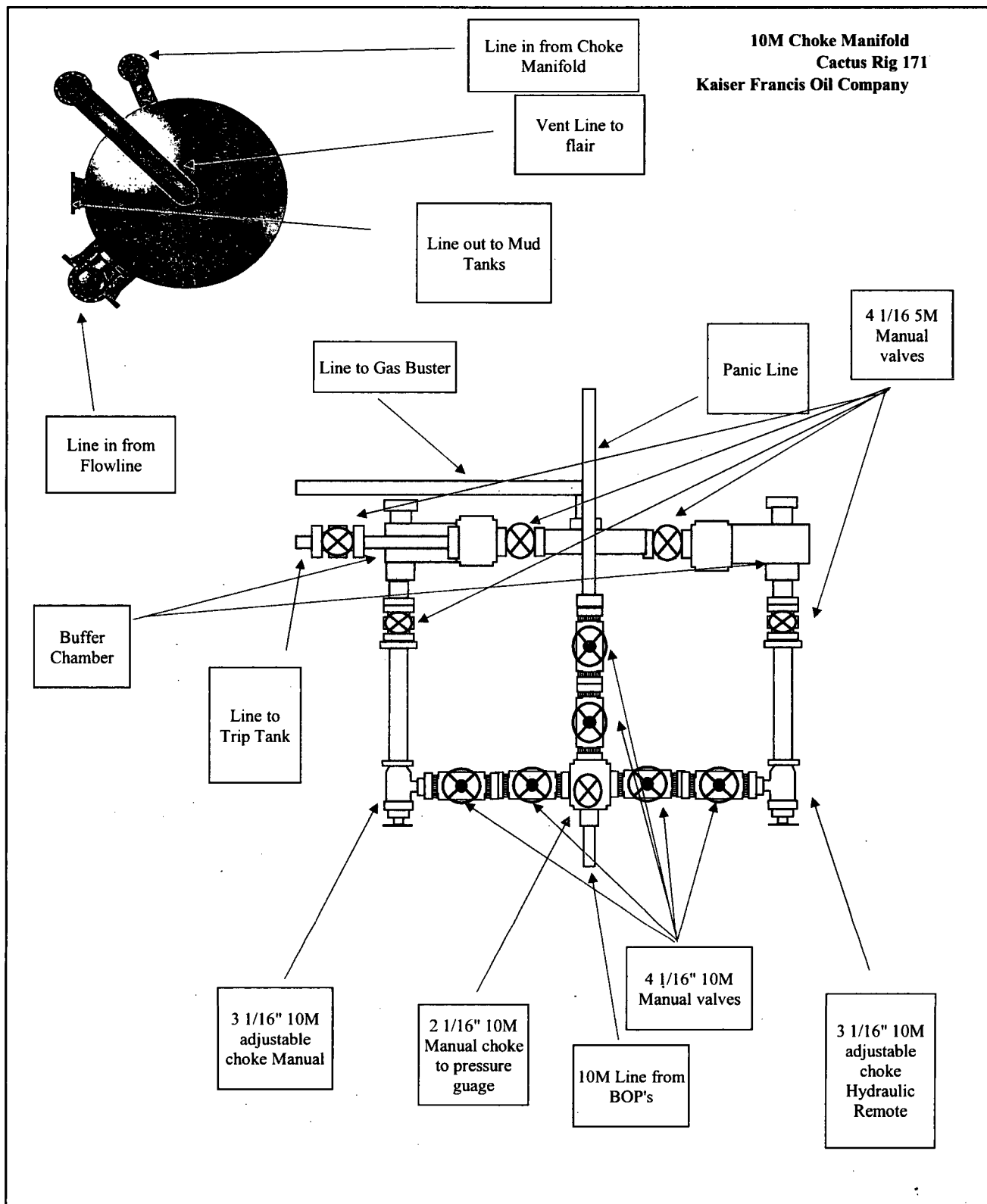
Gas capture plan attached.

**Other proposed operations facets attachment:**

Bell\_Lake\_Unit\_South\_404H\_Gas\_Capture\_Plan\_20180530141223.pdf

**Other Variance attachment:**

Bell\_Lake\_Unit\_South\_404H\_Flex\_Hose\_Data\_20180220110004.pdf





GATES E & S NORTH AMERICA, INC.  
7603 Prairie Oak Dr.  
Houston, TX 77086

PHONE: 281-602-4119  
FAX:  
EMAIL: Troy.Schmidt@gat  
WEB: www.gates.com

## 10K ASSEMBLY PRESSURE TEST CERTIFICATE

Customer :	A-7 AUSTIN INC DBA AUSTIN HOSE	Test Date:	10/3/2017
Customer Ref. :	4086301	Hose Serial No.:	H-100317-2
Invoice No. :	508588	Created By:	Irene Pizana

Product Description: 10K3.035.0CM4.1/16FLGE/E

End Fitting 1 :	4 -1/16 10K FLANGE - FIXED	End Fitting 2 :	4 -1/16 10K FLANGE - FLOATING
Gates Part No. :	68603010-9710398	Assembly Code :	L39789092117H-100317-2
Working Pressure :	10,000 PSI	Test Pressure :	15,000 PSI

Gates E & S North America, Inc. certifies that the following hose assembly has successfully passed all pressure testing requirements set forth in Section 9.7.7 and Table 10 of API 7K, Sixth Edition (December 2015).

Quality:  
Date :  
Signature :

QUALITY
10/3/2017

Production:  
Date :  
Signature :

PRODUCTION
10/3/2017

Form PTC - 01 Rev.0 2





POWERING PROGRESS™

Gates E&S North America, Inc.  
7603 Prairie Oak Dr.  
Houston, TX. 77086  
PHONE :  
FAX:  
[Troy.Schmidt@gates.com](mailto:Troy.Schmidt@gates.com)

## CERTIFICATE OF CONFORMANCE

This is to verify that all Parts and/or Materials included in this shipment have been manufactured and/or processed in Conformance with applicable drawings and specifications, and that Records of Required Tests are on file and subject to examination. The following items were assembled at **Gates E & S, North America Inc.**, facilities in Houston, TX, USA. This hose assembly was designed and manufactured to meet requirements of API Spec 7K.

CUSTOMER: A-7 AUSTIN INC DBA AUSTIN HOSE  
CUSTOMERS P.O.#: 4086301  
PART DESCRIPTION: 10K3.035.0CM4.1/16FLGE/E  
SALES ORDER #: 508588  
QUANTITY: 1  
SERIAL #: H-100317-2

SIGNATURE:

TITLE:

QUALITY ASSURANCE

DATE:

10/3/2017





# JOB REPORT

## COMPANY DETAILS

Company: Austin

Email: irene.pizana@gates.com

Contact:

Phone:

## JOB DETAILS

DATE October 03, 2017

START TIME 10:38:29

Length: 35'

END TIME 11:00:25

Inner Diameter: 3.0"

Gates Rep: Chris Olivo

Pressure Test: Pass

Recommendation: H-100317-2

Internal Inspection: N/A

Working Pressure: 10000

Fitting Type: 10K Flange ExE

Ext Inspection: Pass

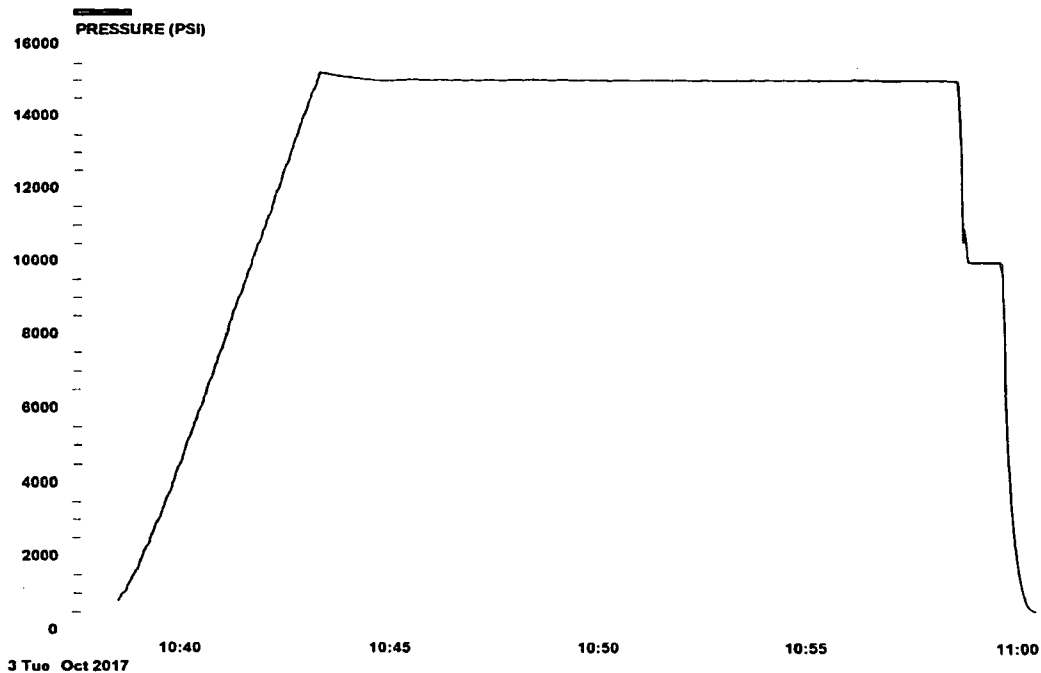
Fitting Inspection: Pass

Test pressure: 15000

Serial No: H-100317-2

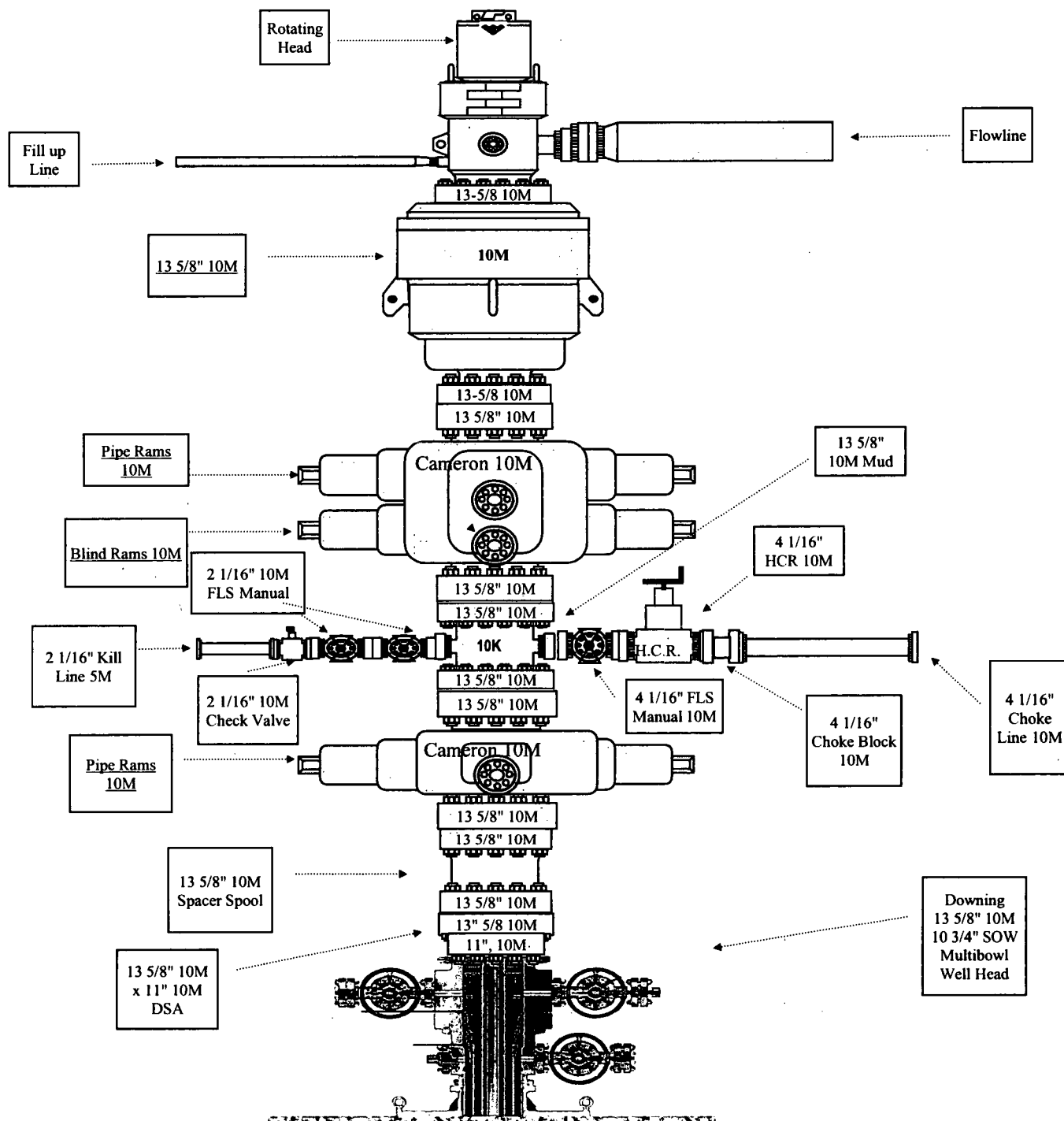


## SUMMARY GRAPH



Cactus Rig 171  
10M BOP with 10M Annular  
Kaiser Francis Oil Company

**Hole Sections Utilized**  
\*9 7/8" Hole below Surface Casing  
\*6 3/4" Hole below Intermediate casing



**Kaiser-Francis Oil Company  
Bell Lake Unit South #404H  
Casing Assumptions - Revised 3/1/2018**

[illegible]

**Casing Assumptions - Revised 3/1/2018**

Formation Name	Formation Top TVD	Interval	Length	Casing Size	Weight (lb/ft)	Grade	Thread	Condition	Hole Size	TV D (ft)
Rustler	1400	Conductor	120	20"				New		120
Salado	1800	Surface	1350	10-3/4"	40.5	J-55	STC	New	14-3/4"	1350
Top of Salt	2150	Intermediate	11560	7-5/8"	29.7	HCP110	LTC	New	9-7/8"	11560
Base of Salt	5050	Production	20063	5-1/2"	20	P110 HP	USS Eagle SFH	New	6-3/4"	12085
Lamar	5300									
Ball Canyon	5450									
Cherry Canyon	6300									
Brushy Canyon	7730									
Bone Spring	8870									
Avalon	9030									
1 B55	10000									
2 B55	10590									
3 B5L	11050									
3 B5S	11560									
Wolfcreek	11885									

Mud Type	Mud Weight Hole Control	Depth	Viscosity	Fluid Loss
FW	8.4 - 9.0	1350	32 - 34	NC
Brine	10.0 - 10.2	5200	28	NC
Cut Brine	8.7 - 8.9	11560	28-29	NC
OBM	12.0	20063	55-70	

Anticipated Mud Weight (ppg)	Max Pore Pressure (psi)	Collapse (psi)	Burst (psi)	Body Tensile Strength	Joint Tensile Strength
9	632	1580	3130	629000	420000
8.9	5350	6700	9460	940000	769000
12	7543	13150	14360	729000	629000

Collapse Safety Factor (Min 1.1)	Burst Safety Factor (Min 1.0)	Body Tensile Safety Factor	Joint Tensile Safety Factor
2.5	5.0	11.5	7.7
1.3	1.8	2.7	2.2
1.7	1.9	3.0	2.6



## U. S. Steel Tubular Products

5 1/2 20.00 lb (0.361) P110 HP

USS-EAGLE SFH™

	PIPE	CONNECTION	
<b>MECHANICAL PROPERTIES</b>			
Minimum Yield Strength	125,000		psi
Maximum Yield Strength	140,000		psi
Minimum Tensile Strength	130,000		psi
<b>DIMENSIONS</b>			
Outside Diameter	5.500	5.830	in.
Wall Thickness	0.361		in.
Inside Diameter	4.778	4.693	in.
Drift - API	4.653	4.653	in.
Nominal Linear Weight, T&C	20.00		lbs/ft
Plain End Weight	19.83		lbs/ft
<b>SECTION AREA</b>			
Cross Sectional Area   Critical Area	5.828	5.027	sq. in.
Joint Efficiency		86.25	%
<b>PERFORMANCE</b>			
Minimum Collapse Pressure	13,150	13,150	psi
External Pressure Leak Resistance		10,000	psi
Minimum Internal Yield Pressure	14,360	14,360	psi
Minimum Pipe Body Yield Strength	729,000		lbs
Joint Strength		629,000	lbs
Compression Rating		629,000	lbs
Reference Length		21,146	ft
Maximum Uniaxial Bend Rating		89.9	deg/100 ft
<b>MAKE-UP DATA</b>			
Minimum Make-Up Torque		14,200	ft-lbs
Maximum Make-Up Torque		16,800	ft-lbs
Maximum Operating Torque		25,700	ft-lbs
Make-Up Loss		5.92	in.

## Notes:

- 1) Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
- 2) Compressive & Tensile Connection Efficiencies are calculated by dividing the connection critical area by the pipe body area.
- 3) Uniaxial bending rating shown is structural only, and equal to compression efficiency.
- 4) Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
- 5) Reference length is calculated by joint strength divided by plain end weight with 1.5 safety factor.
- 6) Connection external pressure resistance has been verified to 10,000 psi (Fit-For-Service testing protocol).

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Manuel USS Product Data Sheet 2017 rev26 (Sept)



**GATES E & S NORTH AMERICA, INC.**  
**7603 Prairie Oak Dr.**  
**Houston, TX 77086**

**PHONE:** 281-602-4119  
**FAX:**  
**EMAIL:** Troy.Schmidt@gat  
**WEB:** www.gates.com

## 10K ASSEMBLY PRESSURE TEST CERTIFICATE

Customer :	A-7 AUSTIN INC DBA AUSTIN HOSE	Test Date:	10/3/2017
Customer Ref. :	4086301	Hose Serial No.:	H-100317-2
Invoice No. :	508588	Created By:	Irene Pizana

Product Description: 10K3.035.0CM4.1/16FLGE/E

End Fitting 1 :	4 -1/16 10K FLANGE - FIXED	End Fitting 2 :	4 -1/16 10K FLANGE - FLOATING
Gates Part No. :	68603010-9710398	Assembly Code :	L39789092117H-100317-2
Working Pressure :	10,000 PSI	Test Pressure :	15,000 PSI

**Gates E & S North America, Inc.** certifies that the following hose assembly has successfully passed all pressure testing requirements set forth in Section 9.7.7 and Table 10 of API 7K, Sixth Edition (December 2015).

Quality:  
Date :  
Signature :

QUALITY
10/3/2017

Production:  
Date :  
Signature :

PRODUCTION
10/3/2017

Form PTC - 01 Rev.0 2





POWERING PROGRESS™

Gates E&S North America, Inc.

7603 Prairie Oak Dr.

Houston, TX. 77086

PHONE :

FAX:

Troy.Schmidt@gates.com

## CERTIFICATE OF CONFORMANCE

This is to verify that all Parts and/or Materials included in this shipment have been manufactured and/or processed in Conformance with applicable drawings and specifications, and that Records of Required Tests are on file and subject to examination. The following items were assembled at **Gates E & S, North America Inc.**, facilities in Houston, TX, USA. This hose assembly was designed and manufactured to meet requirements of API Spec 7K.

CUSTOMER: A-7 AUSTIN INC DBA AUSTIN HOSE

CUSTOMERS P.O.#: 4086301

PART DESCRIPTION: 10K3.035.0CM4.1/16FLGE/E

SALES ORDER #: 508588

QUANTITY: 1

SERIAL #: H-100317-2

SIGNATURE:

TITLE:

QUALITY ASSURANCE

DATE:

10/3/2017



# JOB REPORT

## COMPANY DETAILS

Company: Austin

Email: Irene.pizana@gates.com

Contact:

Phone:

## JOB DETAILS

DATE October 03, 2017

START TIME 10:38:29

Length: 35'

END TIME 11:00:25

Inner Diameter: 3.0"

Gates Rep: Chris Olivo

Pressure Test: Pass

Recommendation: H-100317-2

Internal Inspection: N/A

Working Pressure: 10000

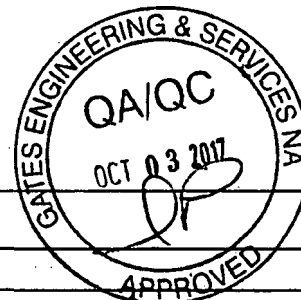
Fitting Type: 10K Flange ExE

Ext Inspection: Pass

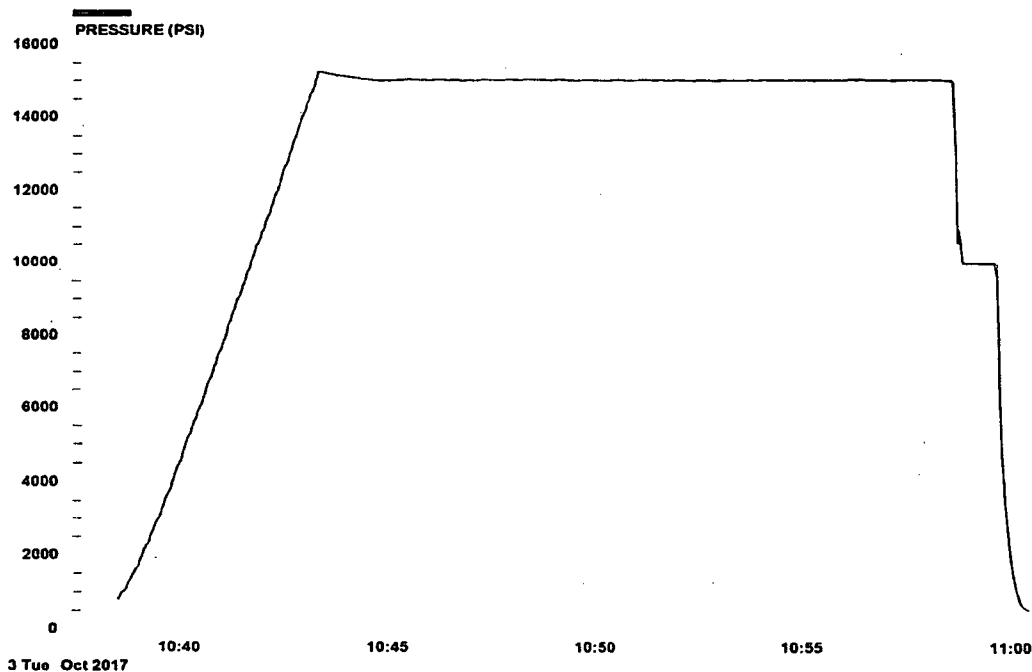
Fitting Inspection: Pass

Test pressure: 15000

Serial No: H-100317-2



## SUMMARY GRAPH







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

## SUPO Data Report

06/20/2018

APD ID: 10400027495

Submission Date: 03/02/2018

Highlighted data  
reflects the most  
recent changes

Operator Name: KAISER FRANCIS OIL COMPANY

Well Name: BELL LAKE UNIT SOUTH

Well Number: 404H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Bell\_Lake\_Unit\_South\_404H\_Existing\_Rds\_Rev1\_20180302072239.pdf

Existing Road Purpose: ACCESS, FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

### Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

BellLake\_Unit\_South\_404H\_Access\_Rd\_Detail\_20180302072253.pdf

New road type: RESOURCE

Length: 200

Feet

Width (ft.): 25

Max slope (%): 2

Max grade (%): 2

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 15

New road access erosion control: Road construction requirements and regular maintenance would alleviate potential impacts to the access road from water erosion damage.

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

**Access surfacing type:** OTHER

**Access topsoil source:** BOTH

**Access surfacing type description:** Native caliche

**Access onsite topsoil source depth:** 6

**Offsite topsoil source description:** Material will be obtained from BLM caliche pit in SWSW Section 22-T24S-R34E or NENE Section 20- T23S-R33E

**Onsite topsoil removal process:** The top 6 inches of topsoil is pushed off and stockpiled along the side of the location. An approximate 160' X 160' area is used within the proposed well site to remove caliche. Subsoil is removed and stockpiled within the pad site to build the location and road. Then subsoil is pushed back in the hole and caliche is spread accordingly across proposed access road.

**Access other construction information:**

**Access miscellaneous information:**

**Number of access turnouts:**

**Access turnout map:**

### Drainage Control

**New road drainage crossing:** OTHER

**Drainage Control comments:** Proposed access road will be crowned and ditched and constructed of 6 inch rolled and compacted caliche. Water will be diverted where necessary to avoid ponding, maintain good drainage, and to be consistent with local drainage patterns.

**Road Drainage Control Structures (DCS) description:** The ditches will be 3' wide with 3:1 slopes

**Road Drainage Control Structures (DCS) attachment:**

### Access Additional Attachments

**Additional Attachment(s):**

### Section 3 - Location of Existing Wells

**Existing Wells Map?** YES

**Attach Well map:**

Bell\_Lake\_Unit\_South\_404H\_One\_Mile\_Map\_20180220110843.pdf

**Existing Wells description:**

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

**Submit or defer a Proposed Production Facilities plan?** DEFER

**Estimated Production Facilities description:** Production facilities are planned for the south side of pad. Plan for initial wells: 2-1000 bbl water tanks and 5-1000 bbl oil tanks, a temporary 6X20 horizontal 3-phase sep, a 48" X 10' 3-phase sep, a 8 X 20' heater treater and a 48"X 10' 2-phase sep

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

## Section 5 - Location and Types of Water Supply

### Water Source Table

**Water source use type:** INTERMEDIATE/PRODUCTION CASING

**Water source type:** OTHER

**Describe type:** BRINE WATER

**Source latitude:**

**Source longitude:**

**Source datum:**

**Water source permit type:** PRIVATE CONTRACT

**Source land ownership:** PRIVATE

**Water source transport method:** TRUCKING

**Source transportation land ownership:** OTHER

**Describe transportation land ownership:**

**Water source volume (barrels):** 20000

**Source volume (acre-feet):** 2.577862

**Source volume (gal):** 840000

**Water source use type:** OTHER, STIMULATION, SURFACE CASING

**Water source type:** OTHER

**Describe type:** FRESH WATER

**Source latitude:**

**Source longitude:**

**Source datum:**

**Water source permit type:** PRIVATE CONTRACT

**Source land ownership:** PRIVATE

**Water source transport method:** TRUCKING

**Source transportation land ownership:** OTHER

**Describe transportation land ownership:**

**Water source volume (barrels):** 250000

**Source volume (acre-feet):** 32.223274

**Source volume (gal):** 10500000

**Water source and transportation map:**

Bell\_Lake\_Unit\_South\_404H\_\_Water\_Source\_Map\_20180220111027.pdf

**Water source comments:** Source transportation land ownership is a mixture of Federal, State and County.

**New water well?** NO

### New Water Well Info

**Well latitude:**

**Well Longitude:**

**Well datum:**

**Well target aquifer:**

**Est. depth to top of aquifer(ft):**

**Est thickness of aquifer:**

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

**Aquifer comments:**

**Aquifer documentation:**

**Well depth (ft):**

**Well casing type:**

**Well casing outside diameter (in.):**

**Well casing inside diameter (in.):**

**New water well casing?**

**Used casing source:**

**Drilling method:**

**Drill material:**

**Grout material:**

**Grout depth:**

**Casing length (ft.):**

**Casing top depth (ft.):**

**Well Production type:**

**Completion Method:**

**Water well additional information:**

**State appropriation permit:**

**Additional information attachment:**

### Section 6 - Construction Materials

**Construction Materials description:** On site caliche will be used for construction if sufficient. In the event insufficient quantities of caliche are available onsite, caliche will be trucked in from BLM's caliche pit in SWSW Section 22-T24-R34E or NENE Section 20- T23S-R33E.

**Construction Materials source location attachment:**

### Section 7 - Methods for Handling Waste

**Waste type:** DRILLING

**Waste content description:** Drilling fluids and cuttings

**Amount of waste:** 3900 barrels

**Waste disposal frequency :** One Time Only

**Safe containment description:** All drilling fluids will be stored safely and disposed of properly

**Safe containmant attachment:**

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

**Disposal type description:**

**Disposal location description:** Cuttings will be hauled to R360's facility on US 62/180 at Halfway, NM

**Waste type:** SEWAGE

**Waste content description:** Human waste and grey water

**Amount of waste:** 1000 gallons

**Waste disposal frequency :** One Time Only

**Safe containment description:** Waste material will be stored safely and disposed of properly

**Safe containmant attachment:**

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

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

**Disposal type description:**

**Disposal location description:** Trucked to an approved disposal facility

**Waste type:** GARBAGE

**Waste content description:** Miscellaneous trash

**Amount of waste:** 500 pounds

**Waste disposal frequency :** One Time Only

**Safe containment description:** Trash produced during drilling and completion operations will be collected in a trash container and disposed of properly

**Safe containmant attachment:**

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

**Disposal type description:**

**Disposal location description:** Trucked to an approved disposal facility

### Reserve Pit

**Reserve Pit being used?** NO

**Temporary disposal of produced water into reserve pit?**

**Reserve pit length (ft.)** **Reserve pit width (ft.)**

**Reserve pit depth (ft.)** **Reserve pit volume (cu. yd.)**

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

**Reserve pit liner**

**Reserve pit liner specifications and installation description**

### Cuttings Area

**Cuttings Area being used?** NO

**Are you storing cuttings on location?** YES

**Description of cuttings location** Cuttings will be stored in roll off bins and hauled to R360 on US 62/180 near Halfway.

**Cuttings area length (ft.)** **Cuttings area width (ft.)**

**Cuttings area depth (ft.)** **Cuttings area volume (cu. yd.)**

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

**WCuttings area liner**

**Cuttings area liner specifications and installation description**

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

### Section 8 - Ancillary Facilities

**Are you requesting any Ancillary Facilities?:** NO

**Ancillary Facilities attachment:**

**Comments:**

### Section 9 - Well Site Layout

**Well Site Layout Diagram:**

Bell\_Lake\_Unit\_South\_404H\_Wellsite\_Layout\_Rev1\_20180302072316.pdf

Bell\_Lake\_Unit\_South\_404H\_Prod\_Layout\_20180524172738.pdf

Bell\_Lake\_Unit\_South\_404H\_Drilling\_Layout\_20180524173021.pdf

**Comments:**

### Section 10 - Plans for Surface Reclamation

**Type of disturbance:** New Surface Disturbance

**Multiple Well Pad Name:** SOUTH BELL LAKE UNIT

**Multiple Well Pad Number:** 1

**Recontouring attachment:**

**Drainage/Erosion control construction:** During construction proper erosion control methods will be used to control erosion, runoff and siltation of the surrounding area. As per request of rancher, a berm will be constructed along the east side of well pad.

**Drainage/Erosion control reclamation:** Proper erosion control methods will be used on the area to control erosion, runoff and siltation of the surrounding area.

<b>Well pad proposed disturbance (acres):</b> 5.97	<b>Well pad interim reclamation (acres):</b> 2.53	<b>Well pad long term disturbance (acres):</b> 3.44
<b>Road proposed disturbance (acres):</b> 0.114	<b>Road interim reclamation (acres):</b> 0.046	<b>Road long term disturbance (acres):</b> 0.068
<b>Powerline proposed disturbance (acres):</b> 0	<b>Powerline interim reclamation (acres):</b> 0	<b>Powerline long term disturbance (acres):</b> 0
<b>Pipeline proposed disturbance (acres):</b> 0	<b>Pipeline interim reclamation (acres):</b> 0	<b>Pipeline long term disturbance (acres):</b> 0
<b>Other proposed disturbance (acres):</b> 0	<b>Other interim reclamation (acres):</b> 0	<b>Other long term disturbance (acres):</b> 0
<b>Total proposed disturbance:</b> 6.084	<b>Total interim reclamation:</b> 2.576	<b>Total long term disturbance:</b> 3.508

**Disturbance Comments:** Plan to reclaim 150' on the northwest side and 100' on the southwest side of well pad.

**Reconstruction method:** The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

interim reclamation.

**Topsoil redistribution:** Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations

**Soil treatment:** To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

**Existing Vegetation at the well pad:** The historic climax plant community is a grassland dominated by black grama, dropseeds, and blue stems with sand sage and shinnery oak distributed evenly throughout. Current landscape displays mesquite, shinnery oak, yucca, desert sage, fourwing saltbush, snakeweed, and bunch grasses

**Existing Vegetation at the well pad attachment:**

**Existing Vegetation Community at the road:** Refer to "Existing Vegetation at the well pad"

**Existing Vegetation Community at the road attachment:**

**Existing Vegetation Community at the pipeline:**

**Existing Vegetation Community at the pipeline attachment:**

**Existing Vegetation Community at other disturbances:**

**Existing Vegetation Community at other disturbances attachment:**

**Non native seed used?** NO

**Non native seed description:**

**Seedling transplant description:**

**Will seedlings be transplanted for this project?** NO

**Seedling transplant description attachment:**

**Will seed be harvested for use in site reclamation?** NO

**Seed harvest description:**

**Seed harvest description attachment:**

## Seed Management

### Seed Table

**Seed type:**

**Seed source:**

**Seed name:**

**Source name:**

**Source address:**

**Source phone:**

**Seed cultivar:**

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

**Seed use location:**

**PLS pounds per acre:**

**Proposed seeding season:**

Seed Summary	
Seed Type	Pounds/Acre

**Total pounds/Acre:**

**Seed reclamation attachment:**

<b>Operator Contact/Responsible Official Contact Info</b>
---

**First Name:**

**Last Name:**

**Phone:**

**Email:**

**Seedbed prep:**

**Seed BMP:**

**Seed method:**

**Existing invasive species?** NO

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Weed treatment plan description:** No invasive species present. Standard regular maintenance to maintain a clear location and road.

**Weed treatment plan attachment:**

**Monitoring plan description:** Identify areas supporting weeds prior to construction; prevent the introduction and spread of weeds from construction equipment during construction; and contain weed seeds and propagules by preventing segregated topsoil from being spread to adjacent areas. No invasive species present. Standard regular maintenance to maintain a clear location and road.

**Monitoring plan attachment:**

**Success standards:** To maintain all disturbed areas as per Gold Book standards

**Pit closure description:** N/A

**Pit closure attachment:**

<b>Section 11 - Surface Ownership</b>
---------------------------------------

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** STATE GOVERNMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**



**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:** COMMISSIONER OF PUBLIC LANDS, PO BOX 1148, SANTA FE, NM 87504

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Fee Owner:** Mark T. McCloy & Annette E McCloy

**Fee Owner Address:** PO Box 795 Tatum, NM 88267

**Phone:** (432)940-4459

**Email:**

**Surface use plan certification:** NO

**Surface use plan certification document:**

**Surface access agreement or bond:** Agreement

**Surface Access Agreement Need description:** Surface Use and Compensation Agreement dated October 4, 2016 between Mark T McCloy and Annette E McCloy Revocable Living Trust and Kaiser-Francis Oil Company  
**Surface Access Bond BLM or Forest Service:**

**BLM Surface Access Bond number:**

**USFS Surface access bond number:**

**Disturbance type:** NEW ACCESS ROAD

**Describe:**

**Surface Owner:** STATE GOVERNMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:** COMMISSIONER OF PUBLIC LANDS, PO BOX 1148, SANTA FE, NM 87504-1148

**Military Local Office:**

**Operator Name:** KAISER FRANCIS OIL COMPANY

**Well Name:** BELL LAKE UNIT SOUTH

**Well Number:** 404H

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

### Section 12 - Other Information

**Right of Way needed?** NO

**Use APD as ROW?**

**ROW Type(s):**

#### ROW Applications

**SUPO Additional Information:** SUP Attached

**Use a previously conducted onsite?** NO

**Previous Onsite information:**

#### Other SUPO Attachment

Bell\_Lake\_Unit\_South\_404H\_\_SUP\_20180220111942.pdf

Bell\_Lake\_Unit\_South\_404H\_\_SPCC\_20180227185525.pdf

**END DRIVING ROUTE**  
**208' OF PROPOSED ROAD**  
**BELL LAKE UNIT SOUTH #404H**

**DIRECTIONS TO LOCATION:**

FROM JAL, N.M. GO WEST ON ST. HWY. 128  
 APPROX. 21 MILES TO  
 CO. RD. J21 (DELAWARE BASIN RD.), TURN  
 RIGHT AND GO NORTH ON  
 CO. RD. J21 APPROX. 2.5 MILES TO BELL  
 LAKE ROAD. TURN LEFT AND GO WEST ON  
 BELL LAKE ROAD APPROX. .91 MILES TO  
 PROPOSED ACCESS ROAD. TURN LEFT AND GO  
 SOUTHWEST ON ACCESS ROAD 208 FEET TO  
 THE NORTHEAST CORNER OF THE PAD.

21 MILES TO JAL, N.M.

FROM JAL, N.M. GO WEST ON ST. HWY. 128  
APPROX. 21 MILES TO  
CO. RD. J21 (DELAWARE BASIN RD.), TURN  
RIGHT AND GO NORTH ON  
CO. RD. J21 APPROX. 2.5 MILES TO BELL  
LAKE ROAD. TURN LEFT AND GO WEST ON  
BELL LAKE ROAD APPROX. .91 MILES TO  
PROPOSED ACCESS ROAD. TURN LEFT AND GO  
\*SOUTHWEST ON ACCESS ROAD 208 FEET TO  
THE NORTHEAST CORNER OF THE PAD.

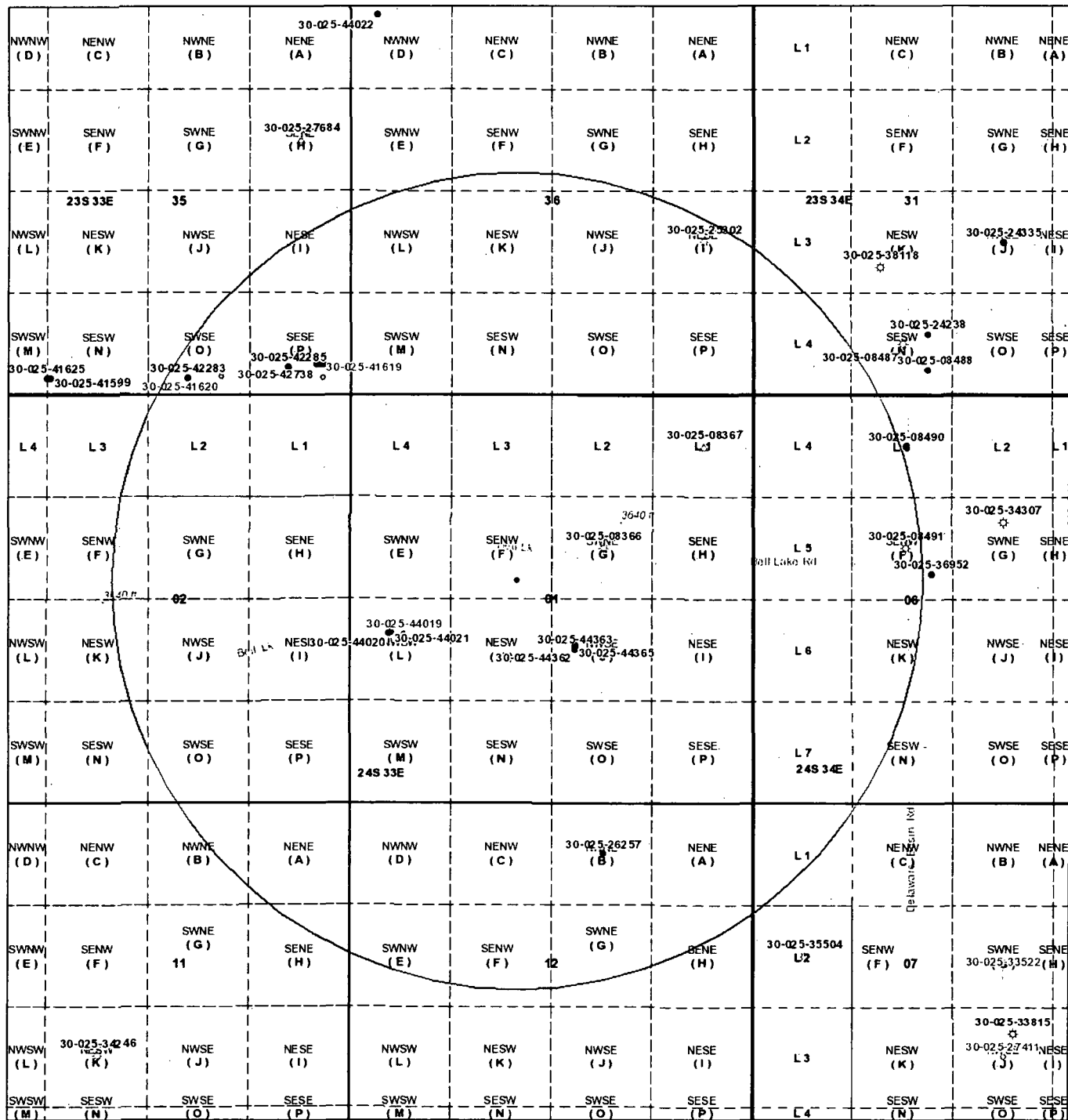
SCALE: 1" = 2000'

CONTOUR INTERVAL:  
BELL LAKE, N.M. - 10'  
HAT MESA, N.M. - 10'



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TRPI # 10021000

# Bell Line Unit South 404H- One Map



2 / 20 / 2018 11 : 08 : 05 AM

1:18,056

## Areas

### Override 1

### Well Locations - Large Scale

• **Miscellaneous**

**CO2 Active**

CO2 Cancelled

CO2 New

→ CO<sub>2</sub> Plugged

### CO<sub>2</sub>: Temporarily Abandoned

-:- Gas Active

- 3 - Gas Cancelled. Never Drilled

-:- Gas, New

Gas, Plugged

**Gas, Temporarily Abandoned**

Injection Active

### Injection Cancelled

## Injection New

### Injection Plugged

### Injection Temporarily Abandoned

**Oil Active**

OK Cancelled

Oil New

### Oil. Plugged

**Oil Temporarily Abandoned**

### Salt Water Injection, Active

### Salt Water Injection, Cancelled

### Salt Water Injection, New

### Salt Water Injection, Plugged

## Salt Water Injection Temporarily Abandoned

Water. Active

**Water. Cancelled**

**Water. New**

### Water Plugged

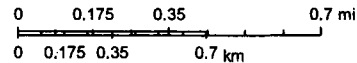
**Water Temporarily Abandoned**

**OCD District Offices**

**PLSS Townships**

**PLSS Second Division**

**PLSS First Division**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

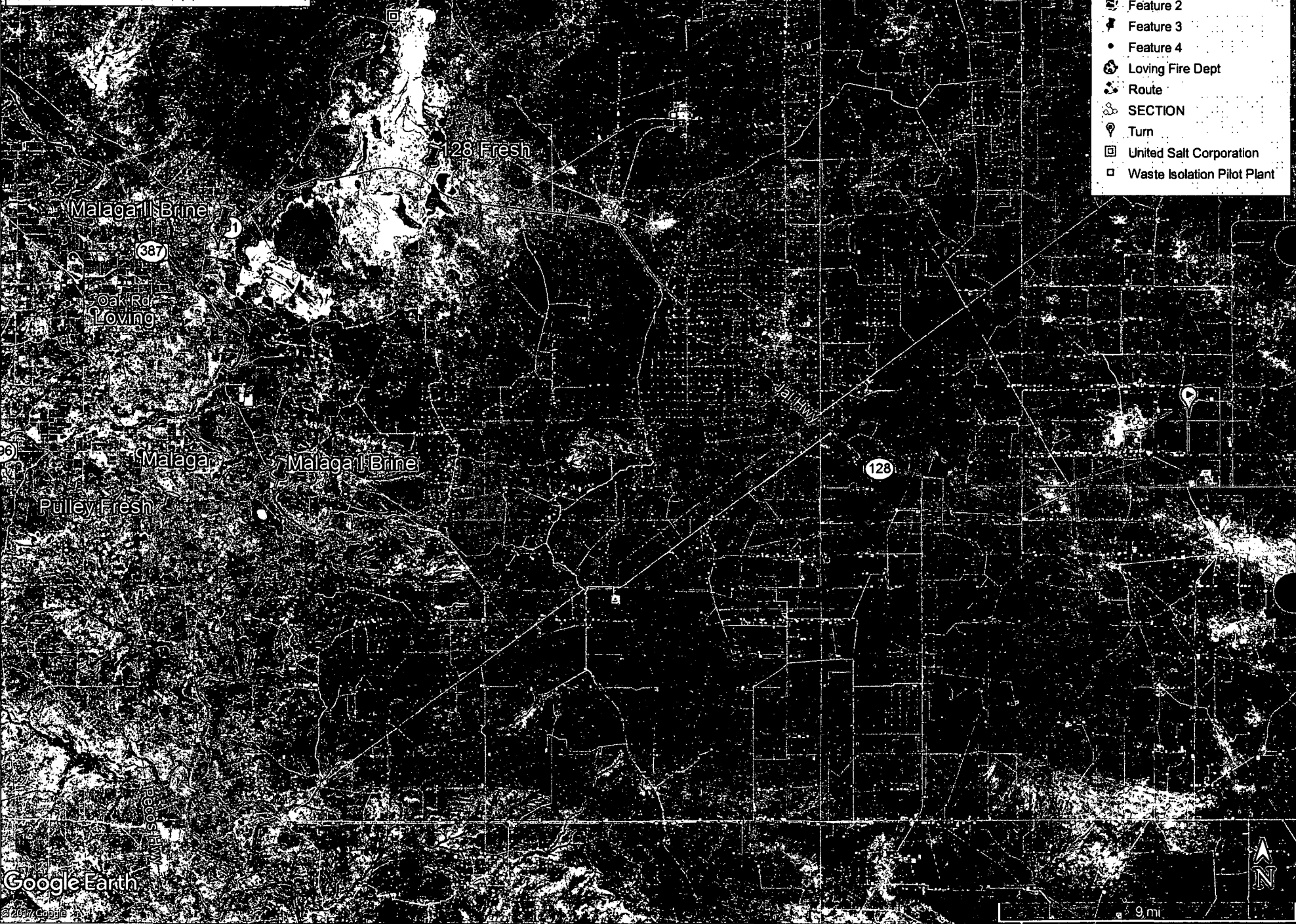


# Bell Lake Unit South #404H

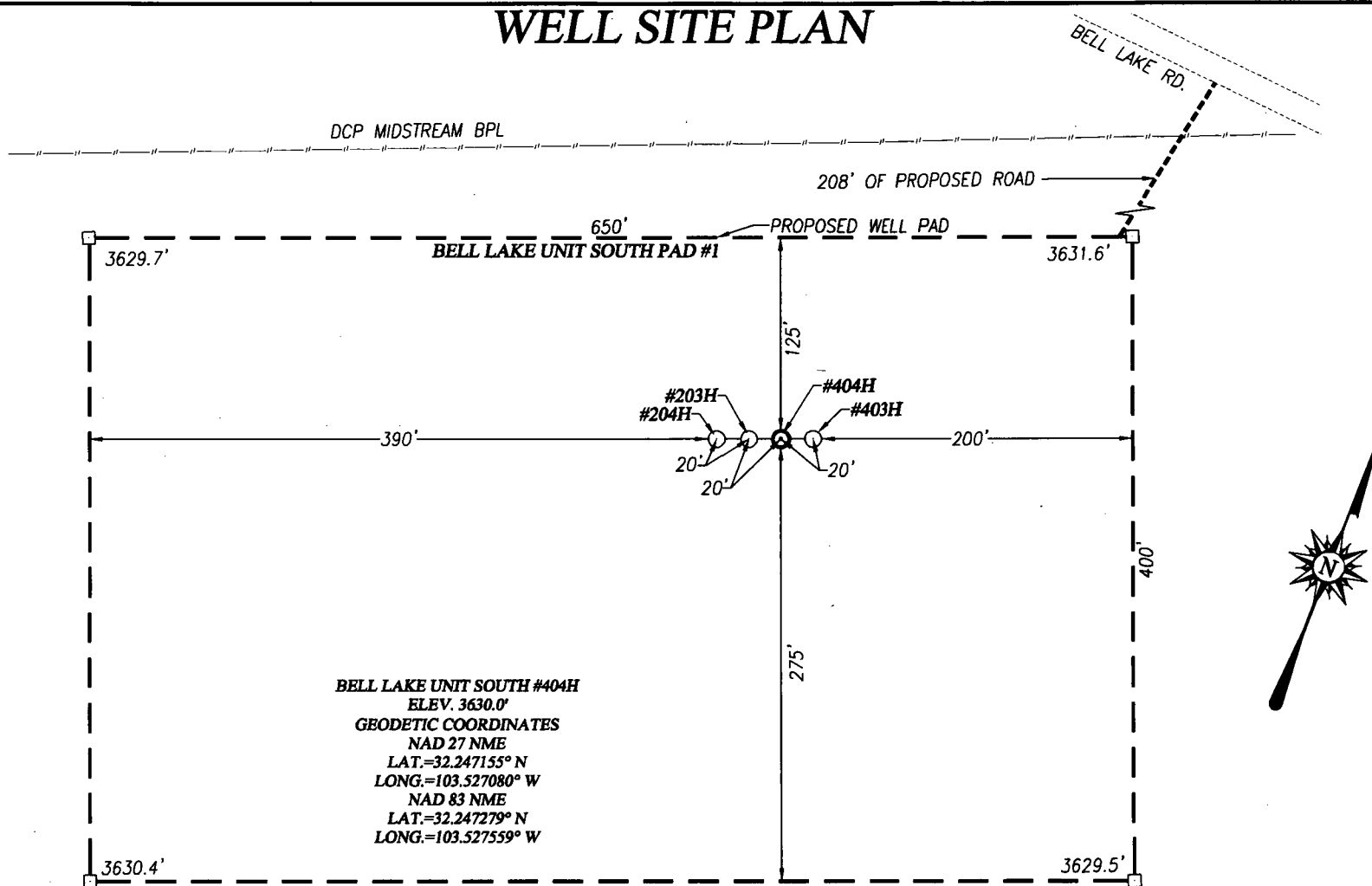
Water Source Route Map

## Legend

- Feature 1
- Feature 2
- Feature 3
- Feature 4
- Loving Fire Dept
- Route
- SECTION
- Turn
- United Salt Corporation
- Waste Isolation Pilot Plant



# WELL SITE PLAN



## DIRECTIONS TO LOCATION:

FROM JAL, N.M. GO WEST ON ST. HWY. 128 APPROX. 21 MILES TO  
CO. RD. J21 (DELAWARE BASIN RD.), TURN RIGHT AND GO NORTH ON  
CO. RD. J21 APPROX. 2.5 MILES TO BELL LAKE ROAD. TURN LEFT AND GO  
WEST ON BELL LAKE ROAD APPROX. .91 MILES TO PROPOSED ACCESS  
ROAD. TURN LEFT AND GO SOUTHWEST ON ACCESS ROAD 208 FEET TO THE  
NORTHEAST CORNER OF THE PAD.

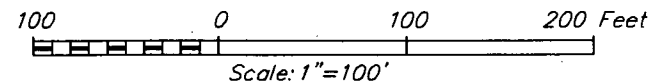
## KAISER-FRANCIS OIL COMPANY

BELL LAKE UNIT SOUTH #404H WELL LOCATED 2392 FEET FROM THE NORTH  
LINE AND 2181 FEET FROM THE WEST LINE OF SECTION 1,  
TOWNSHIP 24 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: CAD Date: 03/01/18 Drawn By: LSL

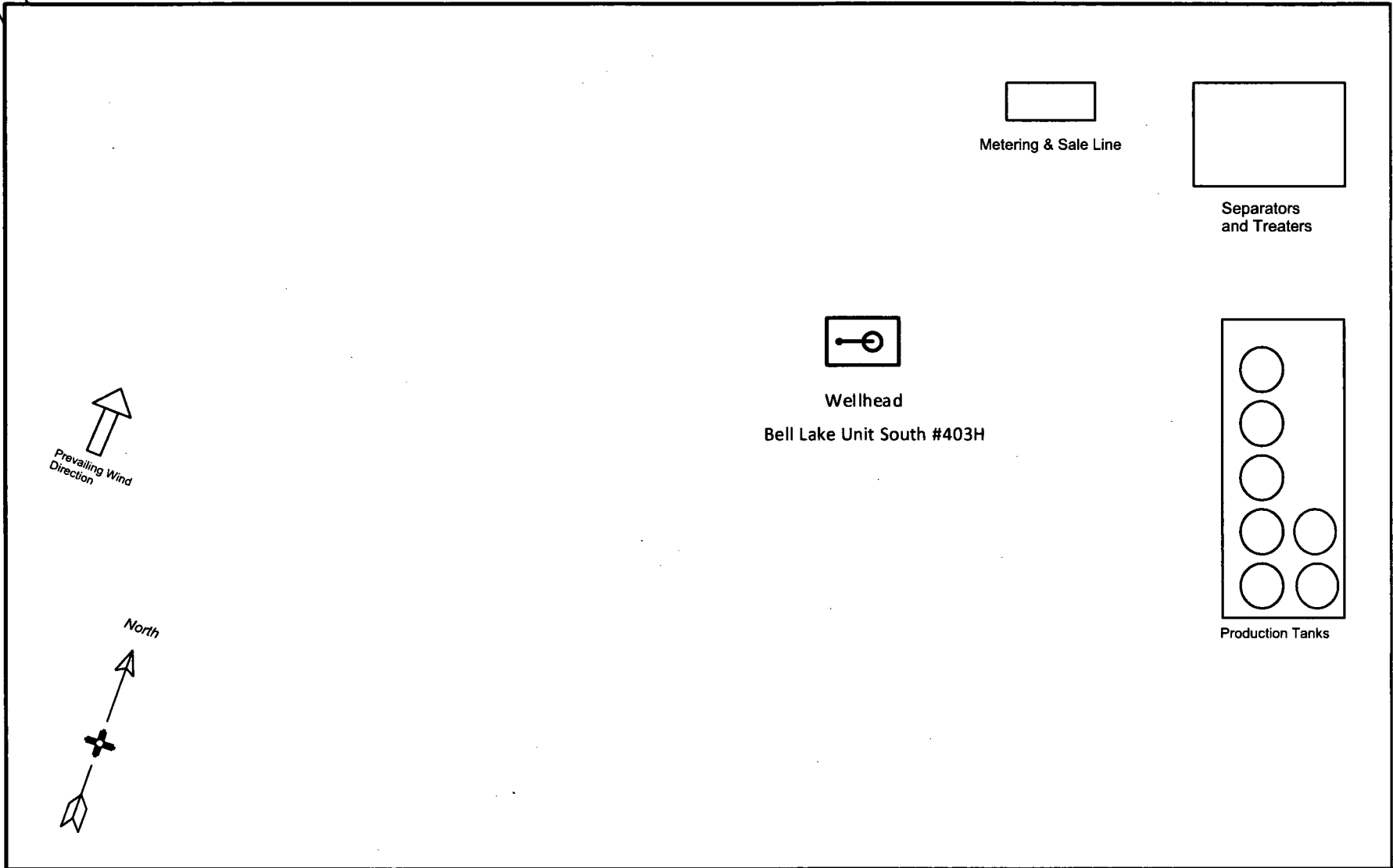
W.O. No.: 18130250 Rev.: Rel. W.O.: 17111052 Sheet 1 of 1

NOTE:  
SEE "TOPOGRAPHICAL AND ACCESS ROAD  
MAP" FOR PROPOSED ROAD LOCATION.



PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO HOBBS, N.M. 88240  
(575) 393-3117 www.jwsc.biz  
TBPLS# 10021000

Access Road

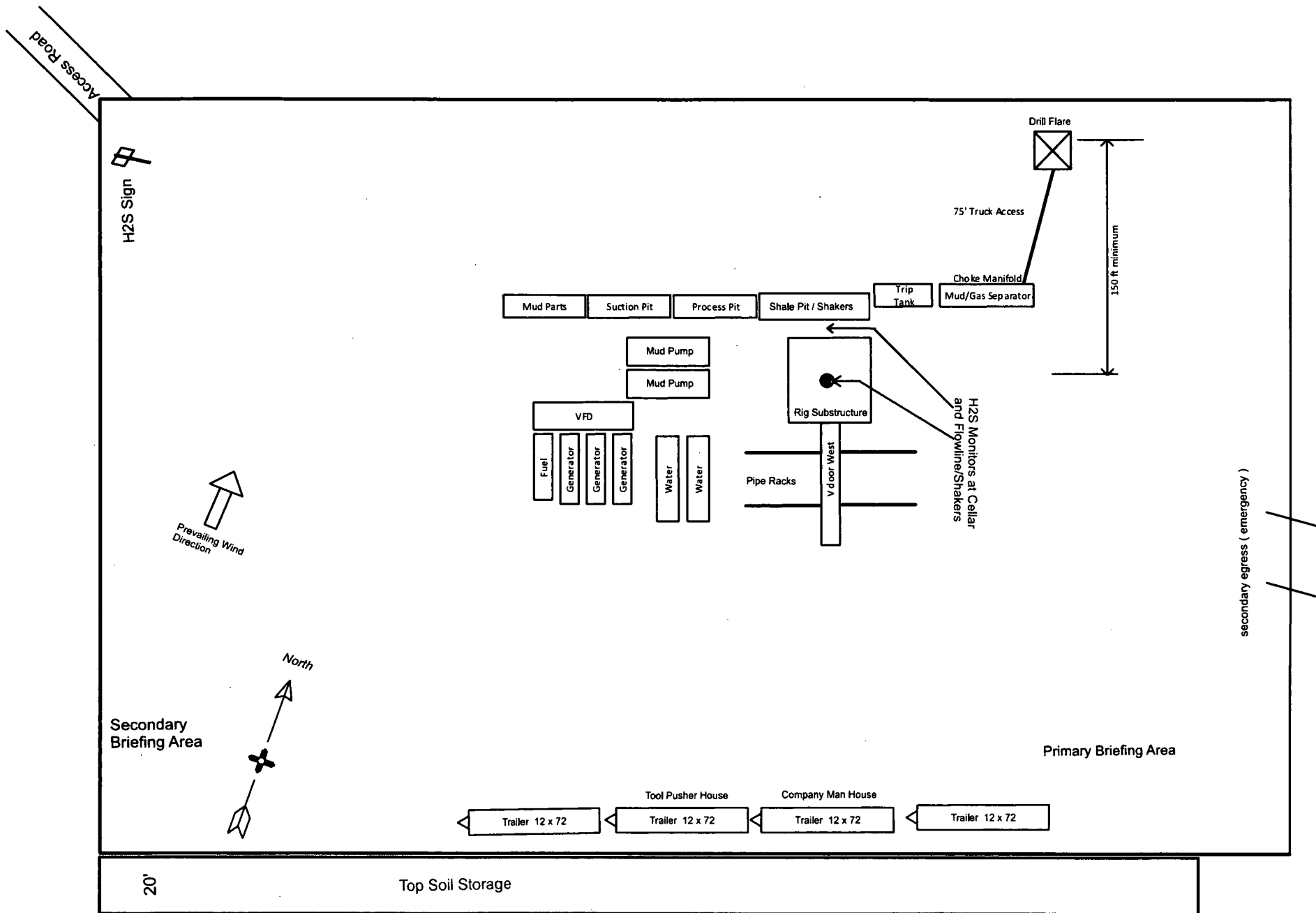


**General Production  
Site Layout**

**400' x 650'**

Well: Bell Lake Unit South #404H





General Drill  
Site Layout

400' x 650'

Well: Bell Lake Unit South #404H

### **Section 3 - Unlined Pits**

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

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

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

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

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

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

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

### **Section 4 - Injection**

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

**Injection well type:**

**Injection well number:**

**Injection well name:**

**Assigned injection well API number?**

**Injection well API number:**

**Injection well new surface disturbance (acres):**

**Minerals protection information:**

**Mineral protection attachment:**

**Underground Injection Control (UIC) Permit?**

**UIC Permit attachment:**

### **Section 5 - Surface Discharge**

**Would you like to utilize Surface Discharge PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Surface discharge PWD discharge volume (bbl/day):**

**Surface Discharge NPDES Permit?**

**Surface Discharge NPDES Permit attachment:**

**Surface Discharge site facilities information:**

**Surface discharge site facilities map:**

### **Section 6 - Other**

**Would you like to utilize Other PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Other PWD discharge volume (bbl/day):**

**Other PWD type description:**

**Other PWD type attachment:**

**Have other regulatory requirements been met?**

**Other regulatory requirements attachment:**



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

## Bond Info Data Report

06/20/2018

### Bond Information

Federal/Indian APD: FED

BLM Bond number: WYB000055

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:



## Section 1 - General

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

## Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

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

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

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**MAKE A PAYMENT.**

**FIND AN AGENCY**

**ONLINE HELP**

Find Forms, Agencies...

Search

**For your security, we recommend you close your browser when you complete your payment.**

## **Payment Confirmation - Bureau of Land Management (BLM) Application for Permit to Drill (APD) Fee**

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**Before You Begin**

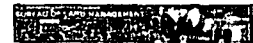
**1 Complete Agency Form**

**2 Enter Payment Info**

**3 Review & Submit**

**4 Confirmation**

### **Need Help?**



**Contact:** BLM OC

CBS Customer

Service

**Email:** [Click to email](#)

**Phone:** (303)

236-6795

### **Payment Confirmation**

**Your payment is complete**

Pay.gov Tracking ID: 26858K93

Agency Tracking ID: 75436061003

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

Application Name: BLM Oil and Gas Online Payment

#### **Payment Information**

Payment Type: Debit or credit card

Payment Amount: \$9,790.00

Transaction Date: 03/02/2018 09:26:34 AM EST

Payment Date: 03/02/2018

Company: KAISER-FRANCIS OIL COMPANY

APD IDs: 10400027495

Lease Numbers: NMLC63798

Well Numbers: 404H

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

#### **Account Information**

Cardholder Name: GEORGE B KAISER