

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
NMNM111964
Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.
J KEATS 1 24 32 40H

2. Name of Operator
OXY USA INCORPORATED

Contact: DAVID STEWART
E-Mail: david_stewart@oxy.com

AUG 16 2018

9. API Well No.
30-025-41582-00-S1

3a. Address
P O BOX 4294
HOUSTON, TX 77210-4294

3b. Phone No. (include area code)
Ph: 432-685-5717

RECEIVED

10. Field and Pool or Exploratory Area
TRIPLE X-BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T24S R32E SESE 330FSL 400FEL
32.240246 N Lat, 103.620599 W Lon

11. County or Parish, State

LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

Well Prep Procedure:

- MIRU PU and rig equipment
- Ensure well is dead
- MU tubing equipment and POOH w/2-7/8" tubing and rod pump
- RIH with cleanout BHA
- RU power swivel if needed and cleanout to PBTD
- POOH with cleanout BHA and work string
- RIH with work string to top of KOP and set RBP. Test casing to 6200# or max treating pressure, whichever is lower.
- Bleed off pressure and RBIH to latch on RBP, release RBP and begin POOH. LD w/ RBP
- Perform drift run with Mohawk BHA
- RIH w/ 4.25" 13.1# P110 R2M expandable liner set @ approximately from

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

**Electronic Submission #427059 verified by the BLM Well Information System
For OXY USA INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/13/2018 (18PP1444SE)**

Name (Printed/Typed) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 07/12/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By /s/ Jonathon Shepard

Title **Petroleum Engineer**
Carlsbad Field Office

Date **AUG 08 2018**

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.

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

(Instructions on page 2)

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

Additional data for EC transaction #427059 that would not fit on the form

32. Additional remarks, continued

10764-15364'.

11. Expand the liner using Mohawk procedures

Plug & Perf stimulation operation:

1. Conduct pre-job safety meeting, discuss scope of work and hazard
2. Check wellhead pressure and bleed off pressure if any to grounded flowback tank
3. MIRU Cameron WH Company and equipment.
4. Install 10M frac stack on wellhead
5. MIRU frac and WL equipment
6. RIH with WL and plug and perf for stage 1 with 4 clusters (10788-15340') per attached perf design.
7. Spot 7.5% HCl acid and breakdown stage 1
8. Frac stage 1 per the pump schedule below
9. RIH with WL and plug & perf for stage 2 and frac afterwards
10. Repeat process for the remaining stages (estimated 16 total stages)
11. RDMO frac and WL company

Wellbore Clean out and Flowback Procedure:

1. Hold Pre-job safety meeting, discuss scope of work and hazards
2. Check well head pressure, bleed off pressure if any to grounded flowback tank
3. MIRU 2-3/8" CT unit, PU 4.13" JZ bit, (Mohawk liner is 4.158" ID drift) RIH and DO plugs and CO to PBTD
4. Circulate hole clean and pump gel sweeps
5. RDMO CT unit and turn the well over to production
6. Open to Flowback
7. An artificial lift procedure will be provided once flowback operations completed.

OXY USA Inc. - J Keats 1-24-32 #40H – 30-025-41582 – Triple X Bone Spring, West

Well Prep Procedure:

- MIRU PU and rig equipment
- Ensure well is dead
- MU tubing equipment and POOH w/2-7/8" tubing and rod pump send to yard for inspection
- RIH with cleanout BHA
- RU power swivel if needed and cleanout to PBTB
- POOH with cleanout BHA and work string
- RIH with work string to top of KOP and set RBP. Test casing to 6200 psi or max treating pressure, whichever is lower.
- Bleed off pressure and RBIH to latch on RBP, release RBP and begin POOH. LD w/ RBP
- Perform drift run with Mohawk BHA
- RIH w/ 4.25" 13.1# P110 R2M expandable liner set @ approximately from 10764--15,364'
- Expand the liner using Mohawk procedures

Plug & Perf stimulation operation

- Conduct pre-job safety meeting – discuss scope of work and hazard
- Check wellhead pressure and bleed off pressure if any to grounded flowback tank
- MIRU Cameron WH Company and equipment.
- Install 10M frac stack on wellhead
- MIRU frac and WL equipment
- RIH with WL and plug and perf for stage 1 with 4 clusters (10788-15340') per attached perf design.
- Spot 7.5% HCl acid and breakdown stage 1
- Frac stage 1 per the pump schedule below
- RIH with WL and plug & perf for stage 2 and frac afterwards
- Repeat process for the remaining stages (estimated 23 total stages)
- RDMO frac and WL company

Wellbore Clean out and Flowback Procedure

- Hold Pre-job safety meeting, discuss scope of work and hazards
- Check well head pressure- bleed off pressure if any to grounded flowback tank
- MIRU 2-3/8" CT unit, PU 4.13" JZ bit, (Mohawk liner is 4.158" ID drift) RIH and DO plugs and CO to PBTB
- Circulate hole clean and pump gel sweeps
- RDMO CT unit and turn the well over to production
- Open to Flowback
- An artificial lift procedure will be provided once flowback operations completed.

OXY USA Inc. - J Keats 1-24-32 #40H – 30-025-41582 – Triple X Bone Spring, West

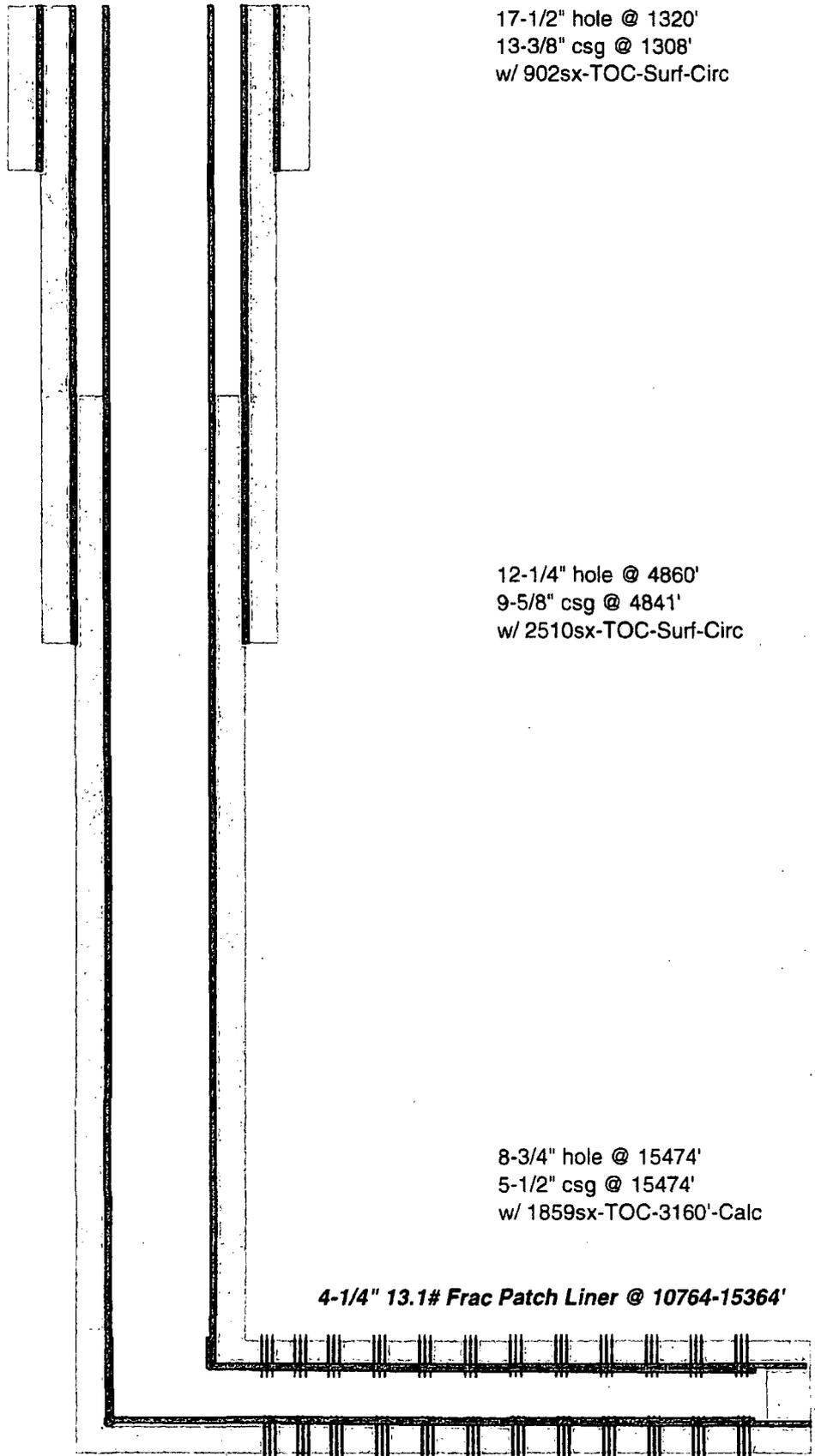
Proposed Perforation & Plug Depth

PLUGS AND PERFORATIONS INTERVALS						
		Cluster 1	Cluster 2	Cluster 3	Cluster 4	Plug
	Gun Length	2	2	2	2	
	Number of Shots	6	6	6	6	
Stage 1 Perfs: 6 shots loaded @ 60 degree phasing	Top	15188	15238	15288	15338	15364
	Bottom	15190	15240	15290	15340	
Stage 2 Perfs: 6 shots loaded @ 60 degree phasing	Top	14988	15038	15088	15138	15164
	Bottom	14990	15040	15090	15140	
Stage 3 Perfs: 6 shots loaded @ 60 degree phasing	Top	14788	14838	14888	14938	14964
	Bottom	14790	14840	14890	14940	
Stage 4 Perfs: 6 shots loaded @ 60 degree phasing	Top	14588	14638	14688	14738	14764
	Bottom	14590	14640	14690	14740	
Stage 5 Perfs: 6 shots loaded @ 60 degree phasing	Top	14388	14438	14488	14538	14564
	Bottom	14390	14440	14490	14540	
Stage 6 Perfs: 6 shots loaded @ 60 degree phasing	Top	14188	14238	14288	14338	14364
	Bottom	14190	14240	14290	14340	
Stage 7 Perfs: 6 shots loaded @ 60 degree phasing	Top	13988	14038	14088	14138	14164
	Bottom	13990	14040	14090	14140	
Stage 8 Perfs: 6 shots loaded @ 60 degree phasing	Top	13788	13838	13888	13938	13964
	Bottom	13790	13840	13890	13940	
Stage 9 Perfs: 6 shots loaded @ 60 degree phasing	Top	13588	13638	13688	13738	13764
	Bottom	13590	13640	13690	13740	
Stage 10 Perfs: 6 shots loaded @ 60 degree phasing	Top	13388	13438	13488	13538	13564
	Bottom	13390	13440	13490	13540	
Stage 11 Perfs: 6 shots loaded @ 60 degree phasing	Top	13188	13238	13288	13338	13364
	Bottom	13190	13240	13290	13340	
Stage 12 Perfs: 6 shots loaded @ 60 degree phasing	Top	12988	13038	13088	13138	13164
	Bottom	12990	13040	13090	13140	
Stage 13 Perfs: 6 shots loaded @ 60 degree phasing	Top	12788	12838	12888	12938	12964
	Bottom	12790	12840	12890	12940	
Stage 14 Perfs: 6 shots loaded @ 60 degree phasing	Top	12588	12638	12688	12738	12764
	Bottom	12590	12640	12690	12740	
Stage 15 Perfs: 6 shots loaded @ 60 degree phasing	Top	12388	12438	12488	12538	12564
	Bottom	12390	12440	12490	12540	
Stage 16 Perfs: 6 shots loaded @ 60 degree phasing	Top	12188	12238	12288	12338	12364
	Bottom	12190	12240	12290	12340	
Stage 17 Perfs: 6 shots loaded @ 60 degree phasing	Top	11988	12038	12088	12138	12164
	Bottom	11990	12040	12090	12140	
Stage 18 Perfs: 6 shots loaded @ 60 degree phasing	Top	11788	11838	11888	11938	11964
	Bottom	11790	11840	11890	11940	
Stage 19 Perfs: 6 shots loaded @ 60 degree phasing	Top	11588	11638	11688	11738	11764
	Bottom	11590	11640	11690	11740	
Stage 20 Perfs: 6 shots loaded @ 60 degree phasing	Top	11388	11438	11488	11538	11564
	Bottom	11390	11440	11490	11540	
Stage 21 Perfs: 6 shots loaded @ 60 degree phasing	Top	11188	11238	11288	11338	11364
	Bottom	11190	11240	11290	11340	
Stage 22 Perfs: 6 shots loaded @ 60 degree phasing	Top	10988	11038	11088	11138	11164
	Bottom	10990	11040	11090	11140	
Stage 23 Perfs: 6 shots loaded @ 60 degree phasing	Top	10788	10838	10888	10938	10964
	Bottom	10790	10840	10890	10940	

Propose Pump schedule

		Fluid Information					Proppant Information				
#	Time [min]	Type	Rate [bpm]	Clean [gals]	Dirty [gals]	Cum. Dirty [gals]	Description	Prop. Conc. [PPA]	Description	Stage Sand [lbs]	Cum. Sand [lbs]
1	0.79	Acid	30	1000	1,000	1,000	7.5% HCl				
2	6.08	Pad	90	20000	20,000	21,000	Slick Water				
3	9.61	Sand-Laden	90	13500	13,635	34,634	Slick Water	0.50	100 Mesh	6,750	6,750
4	13.84	Sand-Laden	90	16000	16,543	51,177	Slick Water	0.75	100 Mesh	12,000	18,750
5	19.14	Sand-Laden	90	20000	20,904	72,081	Slick Water	1.00	100 Mesh	20,000	38,750
6	26.19	Sand-Laden	90	25000	28,174	100,255	Slick Water	1.25	100 Mesh	31,250	70,000
7	36.42	Sand-Laden	90	40000	41,290	141,545	Slick Water	1.50	100 Mesh	60,000	130,000
8	47.00	Sand-Laden	90	40000	43,166	184,711	Slick Water	1.75	100 Mesh	70,000	200,000
9	52.29	Sand-Laden	90	20000	20,904	205,616	Slick Water	1.00	40/70 White	20,000	220,000
10	57.58	Sand-Laden	90	20000	21,131	226,746	Slick Water	1.25	40/70 White	25,000	245,000
11	64.64	Sand-Laden	90	27000	28,476	255,222	Slick Water	1.50	40/70 White	40,500	285,500
12	72.75	Sand-Laden	90	30000	33,094	288,316	Slick Water	1.75	40/70 White	52,500	338,000
13	80.86	Sand-Laden	90	31000	33,441	321,757	Slick Water	2.00	40/70 White	62,000	400,000
14	0.00	Flush	90				Slick Water		(Flush to Top Perf)		400,000

OXY USA Inc. - Proposed
J. Keats 1-24-32 #40H
API No. 30-025-41582



17-1/2" hole @ 1320'
13-3/8" csg @ 1308'
w/ 902sx-TOC-Surf-Circ

12-1/4" hole @ 4860'
9-5/8" csg @ 4841'
w/ 2510sx-TOC-Surf-Circ

8-3/4" hole @ 15474'
5-1/2" csg @ 15474'
w/ 1859sx-TOC-3160'-Calc

4-1/4" 13.1# Frac Patch Liner @ 10764-15364'

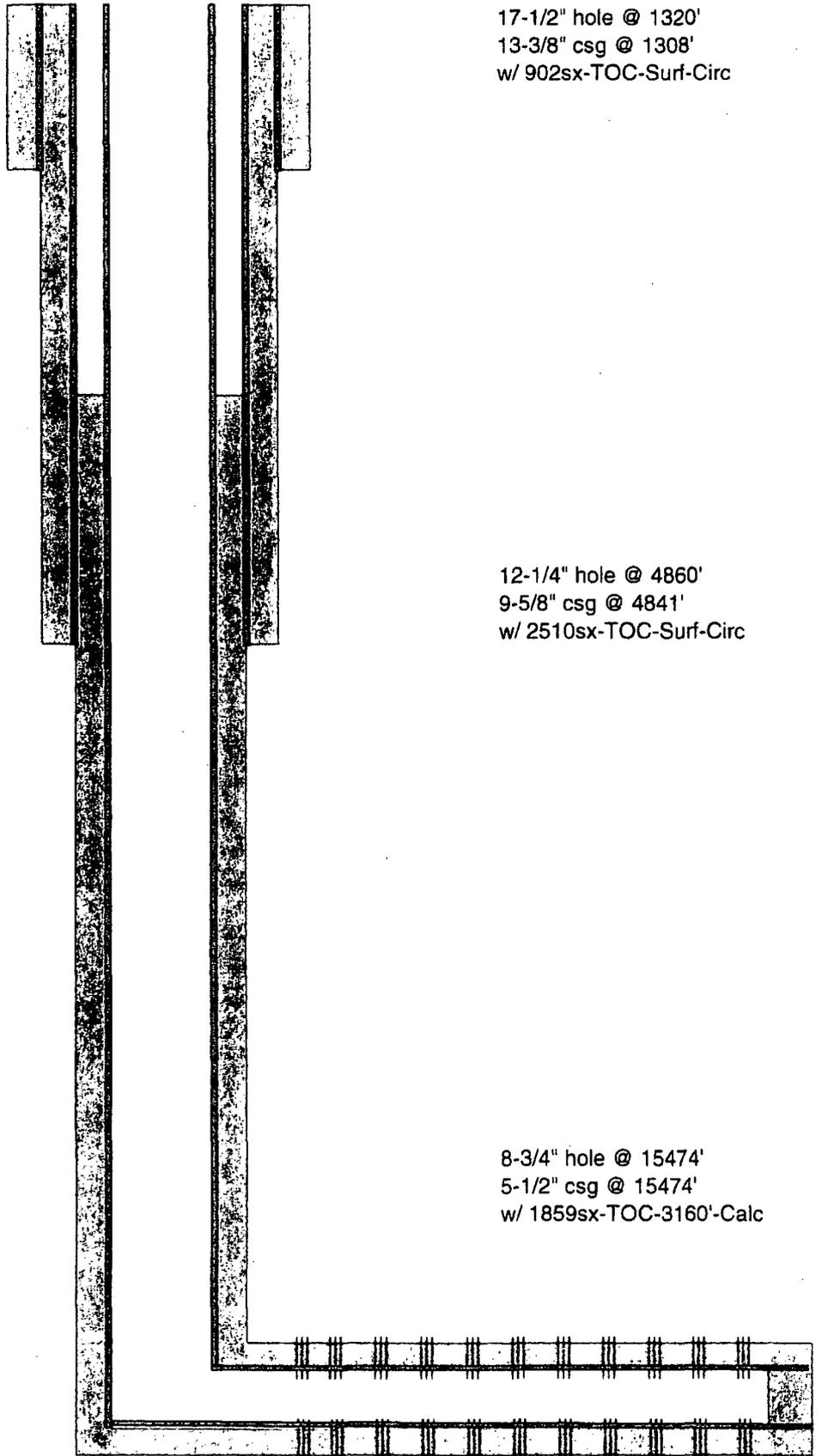
Perfs @ 10788-15340'

Original Perfs @ 11895-15373

TD-15474'M 11033'V

PB-15390'M 11033'V

OXY USA Inc. - Current
J. Keats 1-24-32 #40H
API No. 30-025-41582



17-1/2" hole @ 1320'
13-3/8" csg @ 1308'
w/ 902sx-TOC-Surf-Circ

12-1/4" hole @ 4860'
9-5/8" csg @ 4841'
w/ 2510sx-TOC-Surf-Circ

8-3/4" hole @ 15474'
5-1/2" csg @ 15474'
w/ 1859sx-TOC-3160'-Calc

Perfs @ 11895-15373'

TD-15474'M 11033'V
PB-15390'M 11033'V