Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Carlsbad Field Office
OCD Hobbs

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

HOBBS OCD

JUN 27 2018

RECEIVED

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NMNM01135
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No.
	8. Well Name and No. FECTA 33 FEDERAL 2H
2. Name of Operator OCCIDENTAL PERMIAN LP Contact: DAVID STEWART E-Mail: david_stewart@oxy.com	9. API Well No. 30-025-40280-00-S1
3a. Address MIDLAND, TX 79710 3b. Phone No. (include area code) Ph: 432.685.5717	10. Field and Pool or Exploratory Area LUSK
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* Sec 33 T19S R32E NENW 141FNL 2347FWL	11. County or Parish, State LEA COUNTY, NM

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

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

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

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

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

Electronic Submission #424755 verified by the BLM Well Information System
For OCCIDENTAL PERMIAN LP, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 06/25/2018 (18PP1307SE)

Name *(Printed/Typed)* DAVID STEWART — Title SR REGULATORY ANALYST

Signature (Electronic Submission) — Date 06/20/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By /s/ Jonathon Shepard — Title Petroleum Engineer — Date JUN 26 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.

Office Carlsbad Field Office

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 ****

MAS/OCD
6/28/2018

Additional data for EC transaction #424755 that would not fit on the form

32. Additional remarks, continued

9200-13700'
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 WH pressure & 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 (9274-13652') 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 26 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 WH 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.

Occidental Permian Ltd. - Fecta 33 Federal 2H – 30-025-40280 – Lusk Bone Spring, South

Well Prep Procedure:

1. MIRU PU and rig equipment
2. Ensure well is dead
3. MU tubing equipment and POOH w/2-7/8" tubing and rod pump with HEEL system. Send to the yard for inspection
4. RIH with cleanout BHA
5. RU power swivel if needed and cleanout to PBTD
6. POOH with cleanout BHA and work string
7. RIH with work string to top of KOP and set RBP. Test casing to 6200 psi or max treating pressure, whichever is lower.
8. Bleed off pressure and RBIH to latch on RBP, release RBP and begin POOH. LD w/ RBP
9. Perform drift run with Mohawk BHA
10. RIH w/ 4.25" 13.1# P110 R2M expandable liner set @ approximately from 9,200-13700'
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 (9274-13652') 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 26 total stages)
11. RDMO frac and WL company

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Occidental Permian Ltd. - Fecta 33 Federal 2H – 30-025-40280 – Lusk Bone Spring, South

Proposed Perforation & Plug Depth

	Blank/Plug		Cluster 1		Cluster 2		Cluster 3	
Stage	Top	Bot	Top	Bot	Top	Bot	Top	Bot
1	13650	13652	13620	13622	13570	13572	13520	13522
2	13488	13490	13458	13460	13408	13410	13358	13360
3	13326	13328	13294	13296	13244	13246	13194	13196
4	13166	13164	13134	13136	13084	13086	13034	13036
5	13002	13004	12972	12974	12922	12924	12872	12874
6	12840	12842	12810	12812	12760	12762	12710	12712
7	12678	12680	12648	12650	12598	12600	12548	12550
8	12516	12518	12486	12488	12436	12438	12386	12388
9	12354	12356	12324	12326	12274	12276	12224	12226
10	12192	12194	12162	12164	12112	12114	12062	12064
11	12030	12032	12000	12002	11950	11952	11900	11902
12	11868	11870	11838	11840	11788	11790	11738	11740
13	11706	11708	11676	11678	11626	11628	11576	11578
14	11544	11546	11514	11516	11464	11466	11414	11416
15	11382	11384	11352	11354	11302	11304	11252	11254
16	11220	11222	11190	11192	11140	11142	11090	11092
17	11058	11060	11028	11030	10978	10980	10928	10930
18	10896	10898	10866	10868	10816	10818	10766	10768
19	10734	10736	10704	10706	10654	10656	10604	10606
20	10572	10574	10542	10544	10492	10494	10442	10444
21	10410	10412	10370	10372	10320	10322	10280	10282
22	10248	10250	10208	10210	10158	10160	10118	10120
23	10086	10088	10046	10048	9996	9998	9956	9958
24	9924	9926	9884	9886	9834	9836	9794	9796

	Blank/Plug		Cluster 1		Cluster 2		Cluster 3	
Stage	Top	Bot	Top	Bot	Top	Bot	Top	Bot
25	9734	9736	9674	9676	9614	9616	9554	9556
26	9484	9486	9414	9416	9344	9346	9274	9276

Occidental Permian Ltd. - Fecta 33 Federal 2H – 30-025-40280 – Lusk Bone Spring, South

Propose Pump schedule

Stage 1-24

			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	15000	20,000	21,000	Slick Water			-	-
3	9.61	Sand-Laden	90	7500	13,635	34,634	Slick Water	0.50	100 Mesh	3,750	3,750
4	13.84	Sand-Laden	90	9000	16,543	51,177	Slick Water	0.75	100 Mesh	6,750	10,500
5	19.14	Sand-Laden	90	11300	20,904	72,081	Slick Water	1.00	100 Mesh	11,300	21,800
6	26.19	Sand-Laden	90	15000	28,174	100,255	Slick Water	1.25	100 Mesh	18,750	40,550
7	36.42	Sand-Laden	90	21800	41,290	141,545	Slick Water	1.50	100 Mesh	32,700	73,250
8	47.00	Sand-Laden	90	22500	43,166	184,711	Slick Water	1.75	100 Mesh	39,375	112,625
9	52.29	Sand-Laden	90	11300	20,904	205,616	Slick Water	1.00	40/70 White	11,300	123,925
10	57.58	Sand-Laden	90	11200	21,131	226,746	Slick Water	1.25	40/70 White	14,000	137,925
11	64.64	Sand-Laden	90	14800	28,476	255,222	Slick Water	1.50	40/70 White	22,200	160,125
12	72.75	Sand-Laden	90	17300	33,094	288,316	Slick Water	1.75	40/70 White	30,275	190,400
13	80.86	Sand-Laden	90	17300	33,441	321,757	Slick Water	2.00	40/70 White	34,600	225,000
14	0.00	Flush	90				Slick Water		(Flush to Top Perf)		225,000

Stage 25-26

			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	15000	20,000	21,000	Slick Water			-	-
3	9.61	Sand-Laden	90	10000	13,635	34,634	Slick Water	0.50	100 Mesh	5,000	5,000
4	13.84	Sand-Laden	90	12000	16,543	51,177	Slick Water	0.75	100 Mesh	9,000	14,000
5	19.14	Sand-Laden	90	15000	20,904	72,081	Slick Water	1.00	100 Mesh	15,000	29,000
6	26.19	Sand-Laden	90	20000	28,174	100,255	Slick Water	1.25	100 Mesh	25,000	54,000
7	36.42	Sand-Laden	90	29000	41,290	141,545	Slick Water	1.50	100 Mesh	43,500	97,500
8	47.00	Sand-Laden	90	30000	43,166	184,711	Slick Water	1.75	100 Mesh	52,500	150,000
9	52.29	Sand-Laden	90	15000	20,904	205,616	Slick Water	1.00	40/70 White	15,000	165,000
10	57.58	Sand-Laden	90	15000	21,131	226,746	Slick Water	1.25	40/70 White	18,750	183,750
11	64.64	Sand-Laden	90	20000	28,476	255,222	Slick Water	1.50	40/70 White	30,000	213,750
12	72.75	Sand-Laden	90	23000	33,094	288,316	Slick Water	1.75	40/70 White	40,250	254,000
13	80.86	Sand-Laden	90	23000	33,441	321,757	Slick Water	2.00	40/70 White	46,000	300,000
14	0.00	Flush	90				Slick Water		(Flush to Top Perf)		300,000

MOHAWK ENERGY EXPANDABLE LINER SPECIFICATIONS

4.25 inch, 0.31 wall x 5.5 inch, 17 lb/ft
FracPatch Specifications

Expandable Pipe Body					
Pre-Expansion			Post Expansion		
OD	4.250	*inches*	OD	4.805	*inches*
ID	3.630	*inches*	ID	4.218	*inches*
Wall Thickness	0.310	*inches*	Wall Thickness	0.293	*inches*
Weight	13.100	*lb/ft*	Drift	4.158	*inches*
Drift	3.505	*inches*	Internal Yield	9,895	*psi*
Seal Joint OD	4.490	*inches*	Collapse	5,600	*psi*
Seal Thickness	0.120	*inches*	Expansion Ratio	16.207	%

Expandable Connection					
Pre-Expansion			Post Expansion		
Connection OD	4.310	*inches*	Connection OD	4.865	*inches*
Connection ID	3.600	*inches*	Connection ID	4.218	*inches*
Drift	3.505	*inches*	Drift	4.158	*inches*
Tensile Rating	142,286	*lbs*	Internal Yield	9,895	*psi*
Compressive Rating	142,286	*lbs*	Collapse	5,600	*psi*
Max DLS	36.01	*°/100ft*	Tensile Rating	154,125	*lbs*
Optimum Torque	1,360	*ft-lbs*	Compressive Rating	138,713	*lbs*
Max Torque	1,496	*ft-lbs*	Yield Torque	1,700	*ft-lbs*

Mohawk Energy Setting Tool:

Appendix A1: Setting Tool

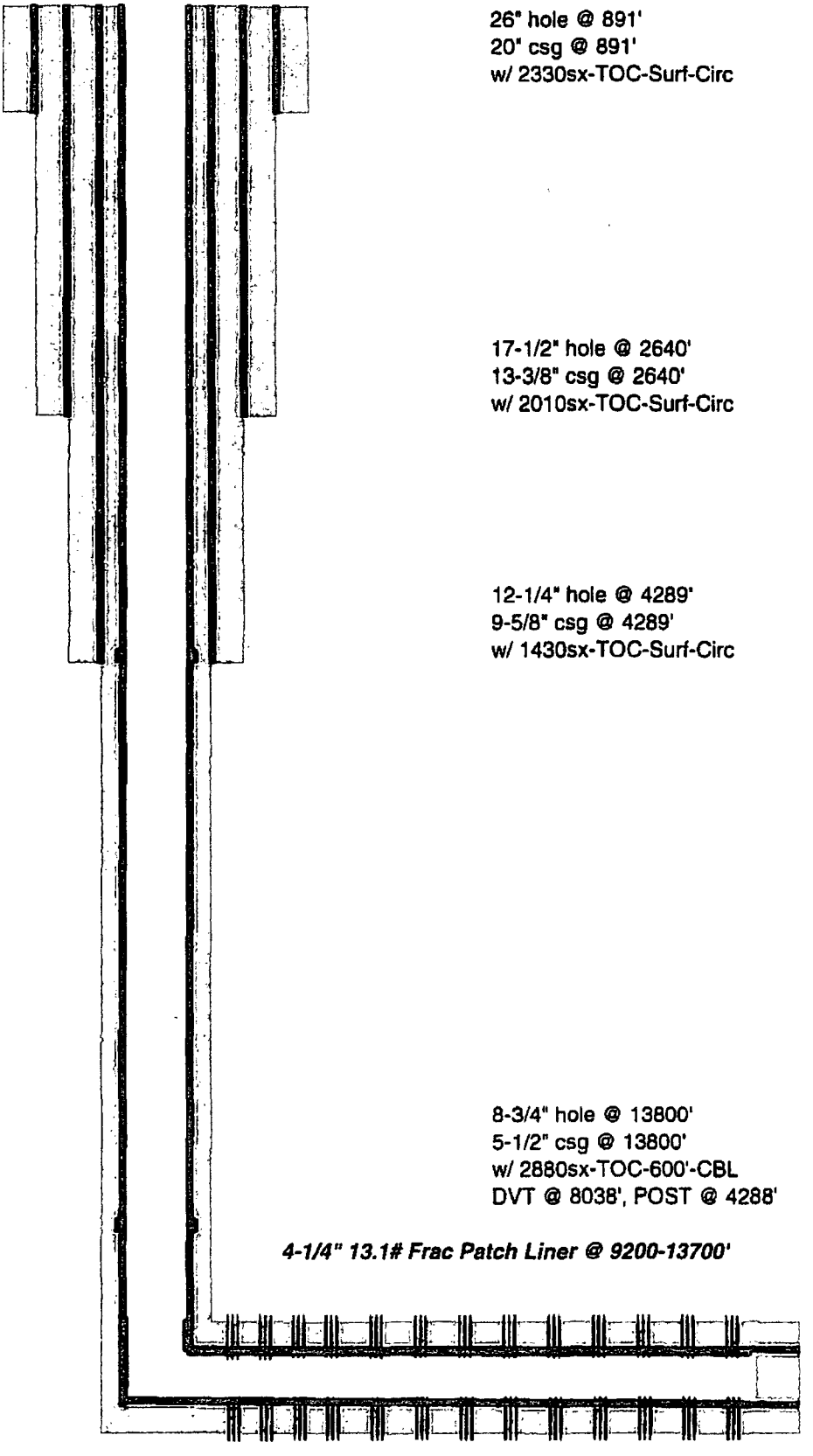
Table 4. 4.25 Setting Tool Specifications

Tool connection up	2-7/8", 7.9# PH-6 Box
Tool weight	900 lbs
Tool length	40.0 ft
Expansion stroke	2.80 ft
Max. dog-leg severity	25 °/100ft
Axial load rating	200,000 lbs
Max. pressure	4,500 psi
Max. temperature	400 °F
Circulation flow rate	30 gpm
Valve shut off flow rate	46 gpm
Pressure/force conversion	44 lbs/psi

Table 5. 3.50 Tool Running Parameters

Event	Pressure or Force
Stabbing sub latching load	500 lbs
Max. slack off during deployment	15,000 lbs
Max. overpull during deployment	25,000 lbs
Drive unit shear disk	1,750 psi
Tool reset	3,000-5,000 lbs
Safety burst disk relief	5,000 psi

Occidental Permian Ltd. - Proposed
Fecta 33 Federal #2H
API No. 30-025-40280



26" hole @ 891'
20" csg @ 891'
w/ 2330sx-TOC-Surf-Circ

17-1/2" hole @ 2640'
13-3/8" csg @ 2640'
w/ 2010sx-TOC-Surf-Circ

12-1/4" hole @ 4289'
9-5/8" csg @ 4289'
w/ 1430sx-TOC-Surf-Circ

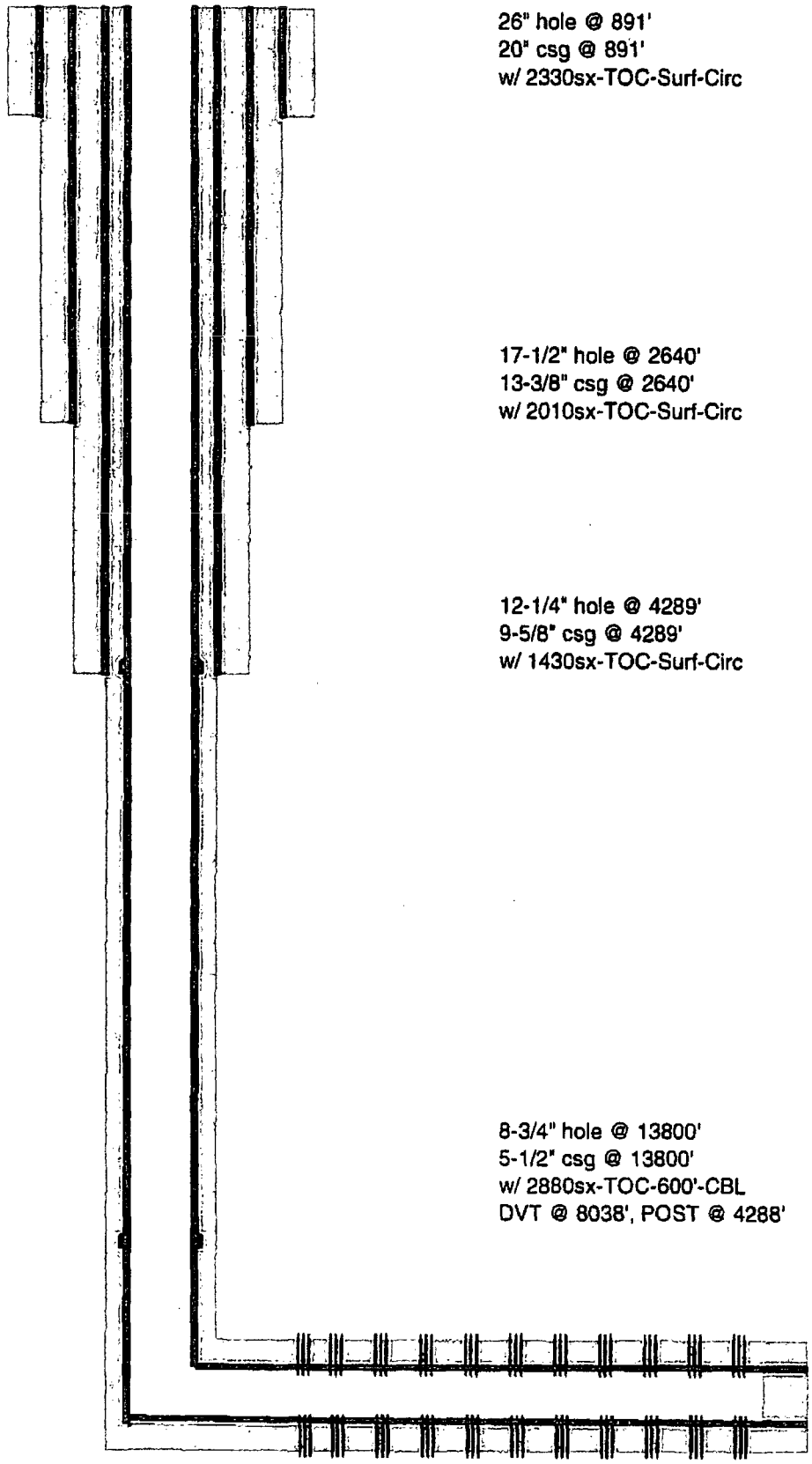
8-3/4" hole @ 13800'
5-1/2" csg @ 13800'
w/ 2880sx-TOC-600'-CBL
DVT @ 8038', POST @ 4288'

4-1/4" 13.1# Frac Patch Liner @ 9200-13700'

Perfs @ 9274-13652'
Original Perfs @ 9924-13652'

TD - 13803'M 9410'V
PB - 13709'M 9410'V

Occidental Permian Ltd. - Current
Fecta 33 Federal #2H
API No. 30-025-40280



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w/ 2880sx-TOC-600'-CBL
DVT @ 8038', POST @ 4288'

Perfs @ 9924-13652'

TD - 13803'M 9410'V
PB - 13709'M 9410'V