

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1068428

Form ACO-1

August 2013

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- ☐ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
- ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
- ☐ OG ☐ GSW ☐ Temp. Abd.
- ☐ CM (Coal Bed Methane)
- ☐ Cathodic ☐ Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
- ☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer
- ☐ Commingled Permit #: _____
- ☐ Dual Completion Permit #: _____
- ☐ SWD Permit #: _____
- ☐ ENHR Permit #: _____
- ☐ GSW Permit #: _____

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

_____ Feet from ☐ North / ☐ South Line of Section

_____ Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ Confidentiality Requested

Date: _____

☐ Confidential Release Date: _____

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
List All E. Logs Run:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used </div> <div style="text-align: center;"> Report all strings set-conductor, surface, intermediate, production, etc. </div>							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No (If No, skip questions 2 and 3)

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method:						
			<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity	

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>		<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
--	--	--	---

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Red Fern 1-16H
Doc ID	1068428

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	12388-12390; 12273-12275, 12360-12362	4031 bbls Slickwater, 36 bbls 15% NeFe HCl, 76M lbs 40/70 sd, 4067 TLTR	
5	11813-11815; 11698-11700; 11583-11585; 11468-11470; 11353-11355	3846 bbls Slickwater, 36 bbls 15% NeFe HCl, 73M lbs 40/70 sd, 8369 TLTR	
5	11238-11240; 11123-11125; 11008-11010; 10893-10895; 10778-10780	3965 bbls Slickwater, 34 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 12771 TLTR	
5	10663-10665; 10548-10550; 10433-10435; 10318-10320; 10203-10205	3850 bbls Slickwater, 36 bbls 15% NeFe HCl, 73M lbs 40/70 sd, 16978 TLTR	
5	10088-10090; 9973-9975; 9858-9860; 9743-9745; 9628-9630	3932 bbls Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 21275 TLTR	
5	9513-9515; 9398-9400; 9283-9285; 9168-9170; 9053-9055	3908 bbls Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 25540 TLTR	
5	8938-8940; 8823-8825; 8708-8710; 8593-8595; 8478-8480	3966 bbls Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 Sd, 29783 TLTR	
5	8363-8365; 8248-8250; 8133-8135; 8018-8020; 7903-7905	3989 bbls Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 34041 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Red Fern 1-16H
Doc ID	1068428

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	7788-7790; 7673-7675; 7558-7560; 7443-7445; 7328-7330	3988 bbls Slickwater, 36 bbls 15% NeFe HCl 76M lbs 40/70 sd, 38271 TLTR	
5	7213-7215; 7098-7100; 6983-6985; 6868-6870; 6753-6755	3910 bbls Slickwater, 30 bbls 15% NeFe HCl, 76M lbs 40/70 sd, 54586 TLTR	
5	6638-6640; 6523-6525; 6408-6410; 6293-6295; 6178-6180	3849 bbls Slickwater, 30 bbls 15% NeFe HCl, 76M lbs 40/70 sd, 46419 TLTR	
5	6063-6065; 5948-5950; 5833-5835; 5718-5720; 5603-5605	3922 bbls Slickwater, 30 bbls 15% NeFe HCl, 76M lbs 40/70 sd, 50486 TLTR	
5	5488-5490; 5373-5375; 5258-5260; 5143-5145; 5028-5030	3963 bbls Slickwater, 30 bbls 15% NeFe HCl, 76M bbls 40/70 sd, 54586 TLTR	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 19, 2012

John-Mark Beaver
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21766-01-00
Red Fern 1-16H
SW/4 Sec.16-35S-07W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
John-Mark Beaver

JOB SUMMARY			PROJECT NUMBER SOK0927	TICKET DATE 10/25/11
COUNTY Harper	State Kansas	COMPANY Landridge Exp and Productio	CUSTOMER REP Edward Norueill	
LEASE NAME Red Fern	Well No. 1-16H	JOB TYPE Surface	EMPLOYEE NAME Charles Spracklin	

EMP NAME				
Charles Spracklin				
John Hall				
David Settlemier				
Brian Douglas				

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **800'**

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	8.33
Spacer type	resh Water BBL	10	8.33
Spacer type	BBL		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Date	Called Out	On Location	Job Started	Job Completed
	10/25/2011	10/25/2011	10/26/2011	10/26/2011
Time	21:00	24:00	24:30	02:00

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		36#	9 5/8"		Surface	817
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	817	Shots/Ft.
Perforations						
Perforations						
Perforations						

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/25		10/25		Surface
Total	0.0	Total	0.0	

Pressures			
MAX	1270	AVG	200
Average Rates in BPM			
MAX	6 BMP	AVG	5
Cement Left in Pipe			
Feet	44	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	Otex Lite Standard	6% Gel - 2% Calcium Chloride - 1/4lb/sk Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Standard	2% Calcium Chloride - 1/4lb/sk Cello-Flake - .5% C-41P	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on side if necessary	5.20	1.18	15.60

Summary							
Preflush Breakdown		Type: _____	Preflush: BBI	10.00	Type: WATER		
		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A	
		Lost Returns-N	Excess /Return BBI		Calc. Disp Bbl	60	
		Actual TOC	Calc. TOC:	SURFACE	Actual Disp.	60.00	
Average		Bump Plug PSI:	Final Circ. PSI:		Disp:Bbl		
ISIP	5 Min.	10 Min.	Cement Slurry: BBI	125.4			
		15 Min.	Total Volume BBI	195.39			

CUSTOMER REPRESENTATIVE _____	SIGNATURE _____
-------------------------------	-----------------

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY				PROJECT NUMBER	TICKET DATE
COUNTRY		State	COMPANY	SOK0991	11/19/11
Harper		Kansas	Landridge Exp and Productio	CUSTOMER REP Claude Hallmark	
LEASE NAME	WELL NO.	JOB TYPE	EMPLOYEE NAME		
Red Fern	1-16H	Liner	Larry Kirchner Jr.		

EMP NAME					
Larry Kirchner Jr.					
Emmit Brock					
Mike Bajo					
Arthur Setzer					

Form. Name		Type:	
Packer Type	Set At	0	
Bottom Hole Temp.	Pressure	150	
Retainer Depth	Total Depth	12585	

Tools and Accessories					
Type and Size	Qty	Make			
Auto Fill Tube	0	Weatherford			
Insert Float Val	0				
Centralizers	0				
Top Plug	0				
HEAD	0				
Limit clamp	0				
Weld-A	0				
Texas Pattern Guide Shoe	0				
Cement Basket	0				

Well Data					
Date	Called Out	On Location	Job Started	Job Completed	
11/19/2011	11/19/2011	11/19/2011	11/19/2011	11/19/2011	
Time	9:00AM	2:00PM	7:41PM	11:30PM	

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	11.6	4 1/2	Surface		3,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			6 1/8	Surface	12,585	Shots/Ft.
Perforations						
Perforations						

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/19	9.5	11/19	2.0	Liner
Total	9.5	Total	2.0	

Materials			
Mud Type	Density	Lb/Gal	
Disp. Fluid	Density	Lb/Gal	
Spacer type	BBL		
Spacer type	BBL		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Pressures					
MAX	3,500	AVG.	300		
Average Rates in BPM					
MAX	10	AVG	4		
Cement Left in Pipe					
Feet	81	Reason	Shoe Joint		

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	775	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - .05% C-41P -	2 Lb/Sk Pheno	6.77	1.44
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush	Type:	Preflush:	BBI	20.00	Type:
Breakdown	MAXIMUM	Load & Bkdn:	Gal - BBI	N/A	Fresh Water
	Lost Returns-N	Excess /Return	BBI	N/A	Pad:Bbl-Gal
	Actual TOC	Calc. TOC:		N/A	Calc.Disp Bbl
Average	Frac. Gradient	Treatment:	Gal - BBI	N/A	Actual Disp.
5 Min.	10 Min	Cement Slurry:	BBI	198.0	Disp:Bbl
	15 Min	Total Volume	BBI	218.00	

CUSTOMER REPRESENTATIVE	<i>Claude Hallmark</i>	SIGNATURE
-------------------------	------------------------	-----------

JOB SUMMARY				PROJECT NUMBER SOK0994		TICKET DATE 11/20/11	
COUNTY Harper		State Kansas		COMPANY Landridge Exp and Productio		CUSTOMER REP Claude Hallmark	
LEASE NAME Red Fern		WELL NO. 1-16H		JOB TYPE Squeeze Job		EMPLOYEE NAME L.Kirchner	
EMP NAME							
Larry Kirchner Jr.		Arthur Setzer					
David Thomas							
Larry Kirchner Sr.							
Rocky Anthis							
Form. Name _____ Type: _____				Date 11/20/2011			
Packer Type _____ Set At 0				On Location 11/20/2011			
Bottom Hole Temp. 0 Pressure _____				Job Started 11/20/2011			
Retainer Depth _____ Total Depth 4902				Job Completed 11/20/2011			
Tools and Accessories				Time 9:00AM			
				1:00PM			
				2:00PM			
				3:30PM			
				Well Data			
				New/Used Weight Size Grade From To Max. Allow			
Type and Size Qty Make							
Auto Fill Tube 0 Weatherford							
Insert Float Val 0							
Centralizers 0							
Top Plug 0							
HEAD 0							
Limit clamp 0							
Weld-A 0							
Texas Pattern Guide Shoe 0							
Cement Basket 0							
Materials				Hours On Location			
Mud Type _____ Density _____ Lb/Gal				Date Hours			
Disp. Fluid _____ Density _____ Lb/Gal				11/20 2.5			
Spacer type _____ BBL. _____				Operating Hours			
Spacer type _____ BBL. _____				Date Hours			
Acid Type _____ Gal. _____ %				11/20 1.5			
Acid Type _____ Gal. _____ %							
Surfactant _____ Gal. _____ In							
NE Agent _____ Gal. _____ In							
Fluid Loss _____ Gal/Lb _____ In							
Gelling Agent _____ Gal/Lb _____ In							
Fric. Red. _____ Gal/Lb _____ In							
MISC. _____ Gal/Lb _____ In							
Perfpac Balls _____ Qty. _____							
Other _____							
Other _____							
Other _____							
Other _____							
Other _____							
Other _____							
				Pressures			
				MAX 2000 AVG. 200			
				Average Rates in BPM			
				MAX 10 AVG. 5			
				Cement Left in Pipe			
				Feet None Reason Squeeze			
Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	800	Premium	Neat	5.20	1.18	16.60	
2	0	0		0.00	0.00	0.00	
3	0	0		0.00	0.00	0.00	
Summary							
Preflush Breakdown		Type: _____		Preflush: BBI 0.00		Type: Fresh Water	
MAXIMUM		Lost Returns-N		Load & Bkdn: Gal - BBI N/A		Pad:Bbl -Gal N/A	
Actual TOC		Excess /Return BBI N/A		Calc. TOC: N/A		Calc. Disp Bbl 43	
Frac. Gradient		Treatment: Gal - BBI N/A		Actual Disp. 43.00		Disp:Bbl	
Average 15IP 5 Min. 10 Min. 15 Min.		Cement Slurry: BBI 168.0		Total Volume BBI 211.00			
CUSTOMER REPRESENTATIVE <i>Clark Hallmark</i>							
SIGNATURE							



Spud: 10/24/2017

Wellbore Schematic

Harper

Red Fern 1-16H

SEC 16, 1 WP 55S, RGE 7W
1296'

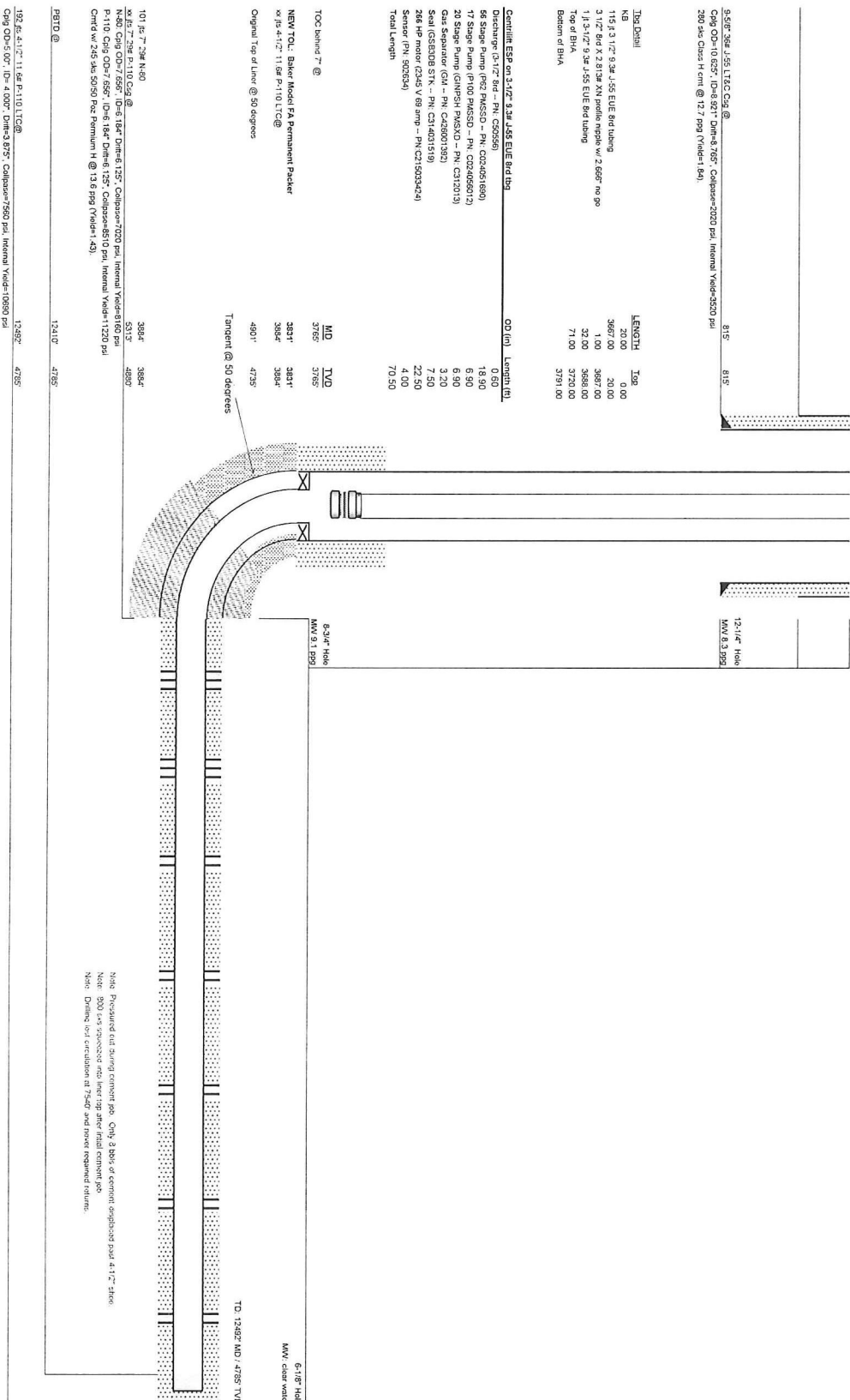
1276'

MD TV

MD TV

Original Completion ☐

Current ☐

Proposed ☐

	Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	DLS / 100 (ft)	Sec 16			Sec 9			
								FNL	FSL	FNL	FSL	FNL	FSL	FNL
SHL	0	0	0	0	0	0	0	3140.00	200.00	8420.00	3140.00	3140.00	660.00	4620.00
BHL	12492	95.30	359.33	4784.95	7998.76	-84.50	1.34	4858.76	8198.76	421.24	4858.76	421.24	575.50	4704.50
Miss Entry	5007	59.66	359.20	4803.84	533.39	44.32	11.51	-2606.61	733.39	7886.61	-2606.61	733.39	704.32	4575.68
Top Perf	5028	61.98	358.82	4814.11	551.69	44.01	10.92	-2588.31	751.69	7868.31	-2588.31	751.69	704.01	4575.99
Bottom Perf	12390	94.24	359.25	4787.62	7896.81	-82.82	1.23	4756.81	8096.81	523.19	4756.81	523.19	577.18	4702.82

Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)		Eastings (+) Westings (-) (ft)		DLS / 100 (ft)	Sec 16				Sec 9			
				FNL	FSL	FNL	FSL		FWL	FEL						
0	0	0	0	0	0	0	0	0	-3140.00	200.00	8420.00	-3140.00	660.00	4620.00		
864	1.80	313.80	863.86	9.39	-9.79	0.21	0.21	0.21	-3130.61	209.39	8410.61	-3130.61	650.21	4629.79		
1336	1.40	311.30	1335.67	18.33	-19.48	0.09	0.09	0.09	-3121.67	218.33	8401.67	-3121.67	640.52	4639.48		
1717	1.00	294.90	1716.59	22.80	-25.99	0.14	0.14	0.14	-3117.20	222.80	8397.20	-3117.20	634.01	4645.99		
2290	0.40	284.30	2289.54	25.40	-32.46	0.11	0.11	0.11	-3114.60	225.40	8394.60	-3114.60	627.54	4652.46		
2766	0.30	326.80	2765.54	26.85	-34.76	0.06	0.06	0.06	-3113.15	226.85	8393.15	-3113.15	625.24	4654.76		
3242	0.30	348.00	3241.53	29.11	-35.70	0.02	0.02	0.02	-3110.89	229.11	8390.89	-3110.89	624.30	4655.70		
3433	0.40	178.90	3432.53	28.94	-35.79	0.36	0.36	0.36	-3111.06	228.94	8391.06	-3111.06	624.21	4655.79		
3528	0.60	162.80	3527.53	28.13	-35.63	0.26	0.26	0.26	-3111.87	228.13	8391.87	-3111.87	624.37	4655.63		
3623	1.00	133.10	3622.52	27.09	-34.88	0.59	0.59	0.59	-3112.91	227.09	8392.91	-3112.91	625.12	4654.88		
3718	1.50	128.30	3717.49	25.75	-33.30	0.54	0.54	0.54	-3114.25	225.75	8394.25	-3114.25	626.70	4653.30		
3813	1.10	123.50	3812.47	24.48	-31.56	0.44	0.44	0.44	-3115.52	224.48	8395.52	-3115.52	628.44	4651.56		
3909	1.30	126.50	3908.45	23.32	-29.92	0.22	0.22	0.22	-3116.68	223.32	8396.68	-3116.68	630.08	4649.92		
4004	1.60	58.80	4003.42	23.37	-27.92	1.72	1.72	1.72	-3116.63	223.37	8396.63	-3116.63	632.08	4647.92		
4036	2.90	35.90	4035.40	24.26	-27.06	4.86	4.86	4.86	-3115.74	224.26	8395.74	-3115.74	632.94	4647.06		
4067	4.40	31.10	4066.33	25.91	-25.99	4.93	4.93	4.93	-3114.09	225.91	8394.09	-3114.09	634.01	4645.99		
4099	6.20	22.10	4098.20	28.56	-24.70	6.18	6.18	6.18	-3111.44	228.56	8391.44	-3111.44	635.30	4644.70		
4131	8.80	15.30	4129.92	32.52	-23.41	8.57	8.57	8.57	-3107.48	232.52	8387.48	-3107.48	636.59	4643.41		
4163	10.80	15.40	4161.45	37.78	-21.97	6.25	6.25	6.25	-3102.22	237.78	8382.22	-3102.22	638.03	4641.97		
4194	12.10	21.90	4191.84	43.59	-19.98	5.90	5.90	5.90	-3096.41	243.59	8376.41	-3096.41	640.02	4639.98		
4226	13.40	26.40	4223.05	50.02	-17.08	5.11	5.11	5.11	-3089.98	250.02	8369.98	-3089.98	642.92	4637.08		
4258	15.90	27.10	4254.00	57.25	-13.44	7.83	7.83	7.83	-3082.75	257.25	8362.75	-3082.75	646.56	4633.44		
4290	18.70	27.00	4284.55	65.72	-9.11	8.75	8.75	8.75	-3074.28	265.72	8354.28	-3074.28	650.89	4629.11		
4321	21.60	26.70	4313.65	75.25	-4.29	9.36	9.36	9.36	-3064.75	275.25	8344.75	-3064.75	655.71	4624.29		
4353	24.80	25.30	4343.06	86.58	1.23	10.15	10.15	10.15	-3053.42	286.58	8333.42	-3053.42	661.23	4618.77		
4385	27.60	22.80	4371.77	99.49	6.97	9.40	9.40	9.40	-3040.51	299.49	8320.51	-3040.51	666.97	4613.03		
4417	29.20	19.20	4399.92	113.69	12.41	7.32	7.32	7.32	-3026.31	313.69	8306.31	-3026.31	672.41	4607.59		

4448	31.50	16.40	4426.67	128.61	17.18	8.71	-3011.39	328.61	8291.39	-3011.39	677.18	4602.82
4480	34.40	15.30	4453.52	145.35	21.93	9.25	-2994.65	345.35	8274.65	-2994.65	681.93	4598.07
4512	37.60	14.80	4479.41	163.51	26.81	10.04	-2976.49	363.51	8256.49	-2976.49	686.81	4593.19
4544	40.60	14.40	4504.24	183.04	31.89	9.41	-2956.96	383.04	8236.96	-2956.96	691.89	4588.11
4575	43.40	12.30	4527.28	203.22	36.67	10.10	-2936.78	403.22	8216.78	-2936.78	696.67	4583.33
4607	45.60	9.70	4550.10	225.24	40.94	8.93	-2914.76	425.24	8194.76	-2914.76	700.94	4579.06
4639	47.80	6.40	4572.05	248.29	44.19	10.18	-2891.71	448.29	8171.71	-2891.71	704.19	4575.81
4670	50.30	2.50	4592.37	271.62	45.99	12.46	-2868.38	471.62	8148.38	-2868.38	705.99	4574.01
4702	51.60	0.80	4612.53	296.46	46.70	5.79	-2843.54	496.46	8123.54	-2843.54	706.70	4573.30
4734	51.50	0.40	4632.43	321.52	46.97	1.03	-2818.48	521.52	8098.48	-2818.48	706.97	4573.03
4766	50.90	0.50	4652.48	346.46	47.16	1.89	-2793.54	546.46	8073.54	-2793.54	707.16	4572.84
4798	49.70	359.60	4672.92	371.08	47.18	4.33	-2768.92	571.08	8048.92	-2768.92	707.18	4572.82
4829	48.80	359.00	4693.15	394.56	46.90	3.25	-2745.44	594.56	8025.44	-2745.44	706.90	4573.10
4861	47.80	358.40	4714.44	418.45	46.36	3.42	-2721.55	618.45	8001.55	-2721.55	706.36	4573.64
4893	48.00	358.00	4735.90	442.18	45.61	1.12	-2697.82	642.18	7977.82	-2697.82	705.61	4574.39
4924	49.90	359.00	4756.25	465.55	45.00	6.59	-2674.45	665.55	7954.45	-2674.45	705.00	4575.00
4956	53.50	359.70	4776.08	490.65	44.72	11.38	-2649.35	690.65	7929.35	-2649.35	704.72	4575.28
4988	57.70	359.50	4794.16	517.05	44.54	13.14	-2622.95	717.05	7902.95	-2622.95	704.54	4575.46
5020	61.00	359.00	4810.47	544.57	44.17	10.40	-2595.43	744.57	7875.43	-2595.43	704.17	4575.83
5051	64.80	358.30	4824.59	572.16	43.52	12.42	-2567.84	772.16	7847.84	-2567.84	703.52	4576.48
5083	69.00	357.80	4837.14	601.57	42.52	13.20	-2538.43	801.57	7818.43	-2538.43	702.52	4577.48
5114	72.90	357.20	4847.26	630.84	41.24	12.71	-2509.16	830.84	7789.16	-2509.16	701.24	4578.76
5146	76.20	356.10	4855.78	661.62	39.43	10.83	-2478.38	861.62	7758.38	-2478.38	699.43	4580.57
5178	77.50	356.50	4863.06	692.72	37.42	4.24	-2447.28	892.72	7727.28	-2447.28	697.42	4582.58
5210	79.30	356.60	4869.50	724.01	35.54	5.63	-2415.99	924.01	7695.99	-2415.99	695.54	4584.46
5241	81.50	356.20	4874.66	754.51	33.62	7.21	-2385.49	954.51	7665.49	-2385.49	693.62	4586.38
5273	84.60	356.00	4878.54	786.20	31.46	9.71	-2353.80	986.20	7633.80	-2353.80	691.46	4588.54
5390	89.20	355.50	4884.86	902.67	22.80	3.95	-2237.33	1102.67	7517.33	-2237.33	682.80	4597.20
5422	89.20	355.30	4885.31	934.57	20.23	0.62	-2205.43	1134.57	7485.43	-2205.43	680.23	4599.77
5454	89.10	355.10	4885.78	966.45	17.56	0.70	-2173.55	1166.45	7453.55	-2173.55	677.56	4602.44
5485	89.90	355.30	4886.05	997.34	14.96	2.66	-2142.66	1197.34	7422.66	-2142.66	674.96	4605.04
5517	90.10	355.60	4886.05	1029.24	12.42	1.13	-2110.76	1229.24	7390.76	-2110.76	672.42	4607.58
5549	90.20	355.40	4885.97	1061.14	9.91	0.70	-2078.86	1261.14	7358.86	-2078.86	669.91	4610.09
5581	90.40	355.30	4885.80	1093.04	7.32	0.70	-2046.96	1293.04	7326.96	-2046.96	667.32	4612.68
5613	90.50	355.60	4885.55	1124.93	4.78	0.99	-2015.07	1324.93	7295.07	-2015.07	664.78	4615.22
5677	90.70	355.00	4884.88	1188.71	-0.46	0.99	-1951.29	1388.71	7231.29	-1951.29	659.54	4620.46
5773	90.28	354.68	4884.06	1284.32	-9.10	0.55	-1855.68	1484.32	7135.68	-1855.68	650.90	4629.10
5869	89.85	354.38	4883.95	1379.88	-18.25	0.55	-1760.12	1579.88	7040.12	-1760.12	641.75	4638.25
5965	90.65	354.93	4883.53	1475.46	-27.19	1.01	-1664.54	1675.46	6944.54	-1664.54	632.81	4647.19
6061	90.71	356.37	4882.39	1571.18	-34.47	1.50	-1568.82	1771.18	6848.82	-1568.82	625.53	4654.47

6156	90.75	357.81	4881.18	1666.05	-39.29	1.52	-1473.95	1866.05	6753.95	-1473.95	620.71	4659.29
6251	91.82	359.25	4879.05	1760.99	-41.73	1.89	-1379.01	1960.99	6659.01	-1379.01	618.27	4661.73
6347	90.40	359.94	4877.19	1856.96	-42.41	1.64	-1283.04	2056.96	6563.04	-1283.04	617.59	4662.41
6443	90.56	362.13	4876.39	1952.94	-40.67	2.29	-1187.06	2152.94	6467.06	-1187.06	619.33	4660.67
6539	90.80	359.40	4875.25	2048.91	-39.39	2.85	-1091.09	2248.91	6371.09	-1091.09	620.61	4659.39
6635	92.00	0.28	4872.90	2144.88	-39.66	1.55	-995.12	2344.88	6275.12	-995.12	620.34	4659.66
6730	91.50	0.10	4870.00	2239.84	-39.35	0.56	-900.16	2439.84	6180.16	-900.16	620.65	4659.35
6826	91.10	359.69	4867.82	2335.81	-39.52	0.60	-804.19	2535.81	6084.19	-804.19	620.48	4659.52
6922	92.30	0.50	4864.98	2431.77	-39.36	1.51	-708.23	2631.77	5988.23	-708.23	620.64	4659.36
7018	92.25	0.28	4861.16	2527.69	-38.71	0.23	-612.31	2727.69	5892.31	-612.31	621.29	4658.71
7114	93.45	0.60	4856.39	2623.57	-37.97	1.29	-516.43	2823.57	5796.43	-516.43	622.03	4657.97
7210	92.46	0.50	4851.44	2719.43	-37.05	1.04	-420.57	2919.43	5700.57	-420.57	622.95	4657.05
7305	90.58	1.30	4848.92	2814.38	-35.56	2.15	-325.62	3014.38	5605.62	-325.62	624.44	4655.56
7401	90.31	1.63	4848.18	2910.35	-33.11	0.44	-229.65	3110.35	5509.65	-229.65	626.89	4653.11
7497	88.83	1.19	4848.90	3006.31	-30.75	1.61	-133.69	3206.31	5413.69	-133.69	629.25	4650.75
7593	89.51	1.19	4850.29	3102.28	-28.75	0.71	-37.72	3302.28	5317.72	-37.72	631.25	4648.75
7688	91.47	1.12	4849.48	3197.25	-26.84	2.06	57.25	3397.25	5222.75	57.25	633.16	4646.84
7784	92.15	2.29	4846.44	3293.16	-23.98	1.41	153.16	3493.16	5126.84	153.16	636.02	4643.98
7880	90.46	1.75	4844.26	3389.07	-20.60	1.85	249.07	3589.07	5030.93	249.07	639.40	4640.60
7976	89.91	1.42	4843.95	3485.04	-17.94	0.67	345.04	3685.04	4934.96	345.04	642.06	4637.94
8071	91.04	1.00	4843.16	3580.01	-15.94	1.27	440.01	3780.01	4839.99	440.01	644.06	4635.94
8167	91.11	0.69	4841.36	3675.98	-14.52	0.33	535.98	3875.98	4744.02	535.98	645.48	4634.52
8263	91.26	1.05	4839.37	3771.95	-13.07	0.41	631.95	3971.95	4648.05	631.95	646.93	4633.07
8359	91.20	358.15	4837.31	3867.92	-13.74	3.02	727.92	4067.92	4552.08	727.92	646.26	4633.74
8454	92.00	358.43	4834.66	3962.83	-16.57	0.89	822.83	4162.83	4457.17	822.83	643.43	4636.57
8551	91.20	358.15	4831.95	4059.75	-19.46	0.87	919.75	4259.75	4360.25	919.75	640.54	4639.46
8647	89.80	358.31	4831.11	4155.70	-22.43	1.47	1015.70	4355.70	4264.30	1015.70	637.57	4642.43
8743	90.60	359.86	4830.78	4251.68	-23.96	1.82	1111.68	4451.68	4168.32	1111.68	636.04	4643.96
8839	90.25	359.98	4830.07	4347.68	-24.10	0.39	1207.68	4547.68	4072.32	1207.68	635.90	4644.10
8934	89.85	0.12	4829.98	4442.68	-24.01	0.45	1302.68	4642.68	3977.32	1302.68	635.99	4644.01
9030	92.98	0.23	4827.61	4538.64	-23.72	3.26	1398.64	4738.64	3881.36	1398.64	636.28	4643.72
9126	90.43	0.72	4824.76	4634.59	-22.92	2.70	1494.59	4834.59	3785.41	1494.59	637.08	4642.92
9221	86.92	358.76	4826.95	4729.54	-23.35	4.23	1589.54	4929.54	3690.46	1589.54	636.65	4643.35
9317	88.98	358.63	4830.39	4825.45	-25.54	2.15	1685.45	5025.45	3594.55	1685.45	634.46	4645.54
9413	89.80	357.50	4831.41	4921.39	-28.78	1.45	1781.39	5121.39	3498.61	1781.39	631.22	4648.78
9509	90.60	357.72	4831.07	5017.30	-32.78	0.86	1877.30	5217.30	3402.70	1877.30	627.22	4652.78
9603	91.50	359.51	4829.35	5111.25	-35.05	2.13	1971.25	5311.25	3308.75	1971.25	624.95	4655.05
9699	90.70	359.91	4827.51	5207.23	-35.54	0.93	2067.23	5407.23	3212.77	2067.23	624.46	4655.54
9795	91.00	0.71	4826.08	5303.22	-35.02	0.89	2163.22	5503.22	3116.78	2163.22	624.98	4655.02
9891	88.90	358.63	4826.17	5399.21	-35.57	3.08	2259.21	5599.21	3020.79	2259.21	624.43	4655.57

10012	92.40	359.15	4824.80	5520.16	-37.92	2.92	2380.16	5720.16	2899.84	2380.16	622.08	4657.92
10107	93.20	359.36	4820.16	5615.04	-39.15	0.87	2475.04	5815.04	2804.96	2475.04	620.85	4659.15
10203	92.60	358.66	4815.30	5710.90	-40.81	0.96	2570.90	5910.90	2709.10	2570.90	619.19	4660.81
10299	91.00	358.01	4812.28	5806.81	-43.60	1.80	2666.81	6006.81	2613.19	2666.81	616.40	4663.60
10394	90.70	358.43	4810.87	5901.75	-46.55	0.54	2761.75	6101.75	2518.25	2761.75	613.45	4666.55
10490	91.60	358.44	4808.95	5997.69	-49.17	0.94	2857.69	6197.69	2422.31	2857.69	610.83	4669.17
10586	92.40	358.17	4805.60	6093.59	-52.01	0.88	2953.59	6293.59	2326.41	2953.59	607.99	4672.01
10682	90.80	358.12	4802.92	6189.50	-55.11	1.67	3049.50	6389.50	2230.50	3049.50	604.89	4675.11
10777	91.90	357.44	4800.68	6284.40	-58.79	1.36	3144.40	6484.40	2135.60	3144.40	601.21	4678.79
10873	91.60	357.64	4797.75	6380.27	-62.91	0.38	3240.27	6580.27	2039.73	3240.27	597.09	4682.91
10975	91.10	358.07	4795.34	6482.17	-66.73	0.65	3342.17	6682.17	1937.83	3342.17	593.27	4686.73
11071	90.80	358.82	4793.75	6578.12	-69.33	0.84	3438.12	6778.12	1841.88	3438.12	590.67	4689.33
11167	90.90	359.93	4792.33	6674.10	-70.38	1.16	3534.10	6874.10	1745.90	3534.10	589.62	4690.38
11264	89.10	0.42	4792.33	6771.10	-70.08	1.92	3631.10	6971.10	1648.90	3631.10	589.92	4690.08
11361	89.10	0.24	4793.85	6868.08	-69.52	0.19	3728.08	7068.08	1551.92	3728.08	590.48	4689.52
11457	89.50	359.63	4795.02	6964.07	-69.63	0.76	3824.07	7164.07	1455.93	3824.07	590.37	4689.63
11552	90.10	359.36	4795.36	7059.07	-70.47	0.69	3919.07	7259.07	1360.93	3919.07	589.53	4690.47
11648	90.50	358.92	4794.85	7155.06	-71.91	0.62	4015.06	7355.06	1264.94	4015.06	588.09	4691.91
11744	89.30	359.86	4795.02	7251.05	-72.93	1.59	4111.05	7451.05	1168.95	4111.05	587.07	4692.93
11839	89.20	359.15	4796.26	7346.04	-73.75	0.75	4206.04	7546.04	1073.96	4206.04	586.25	4693.75
11935	89.70	359.03	4797.19	7442.02	-75.28	0.54	4302.02	7642.02	977.98	4302.02	584.72	4695.28
12031	90.50	358.99	4797.02	7538.00	-76.94	0.83	4398.00	7738.00	882.00	4398.00	583.06	4696.94
12223	92.50	359.13	4791.99	7729.90	-80.08	1.04	4589.90	7929.90	690.10	4589.90	579.92	4700.08
12492	95.30	359.33	4784.95	7998.76	-84.50	1.34	4858.76	8198.76	421.24	4858.76	575.50	4704.50

Logo

Back to Well Completion

Red Fern 1-16H (1068428)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality	View PDF
OPERATOR	Delete
Cementing Data	View PDF
OPERATOR	Delete
Wellbore Diagram	View PDF
OPERATOR	Delete
Directional Survey	View PDF
OPERATOR	Delete

[Add Attachment](#)

Remarks

Remarks to KCC

[Add Remark](#)

Remarks

Tiffany Fluid Mgmt: 1150bbls hauled to disposal by Dunn's tank service; Operator: Richard Gray Mud Disposal;
Golay License: 323004; Order: 355765; Legals: Sec 15, 24s, 7w; County: Garfield, OK 2000bbls soil farmed by
02/01/012 Triple C soil farming; No lease name or number; Soil farmed in a leased pasture; Legals: N2, Ssec 14,
07:41 am 29N 10W; county Alfalfa, OK

Tiffany

Golay

01/31/012 Cementing: Liner depth= 12,492'

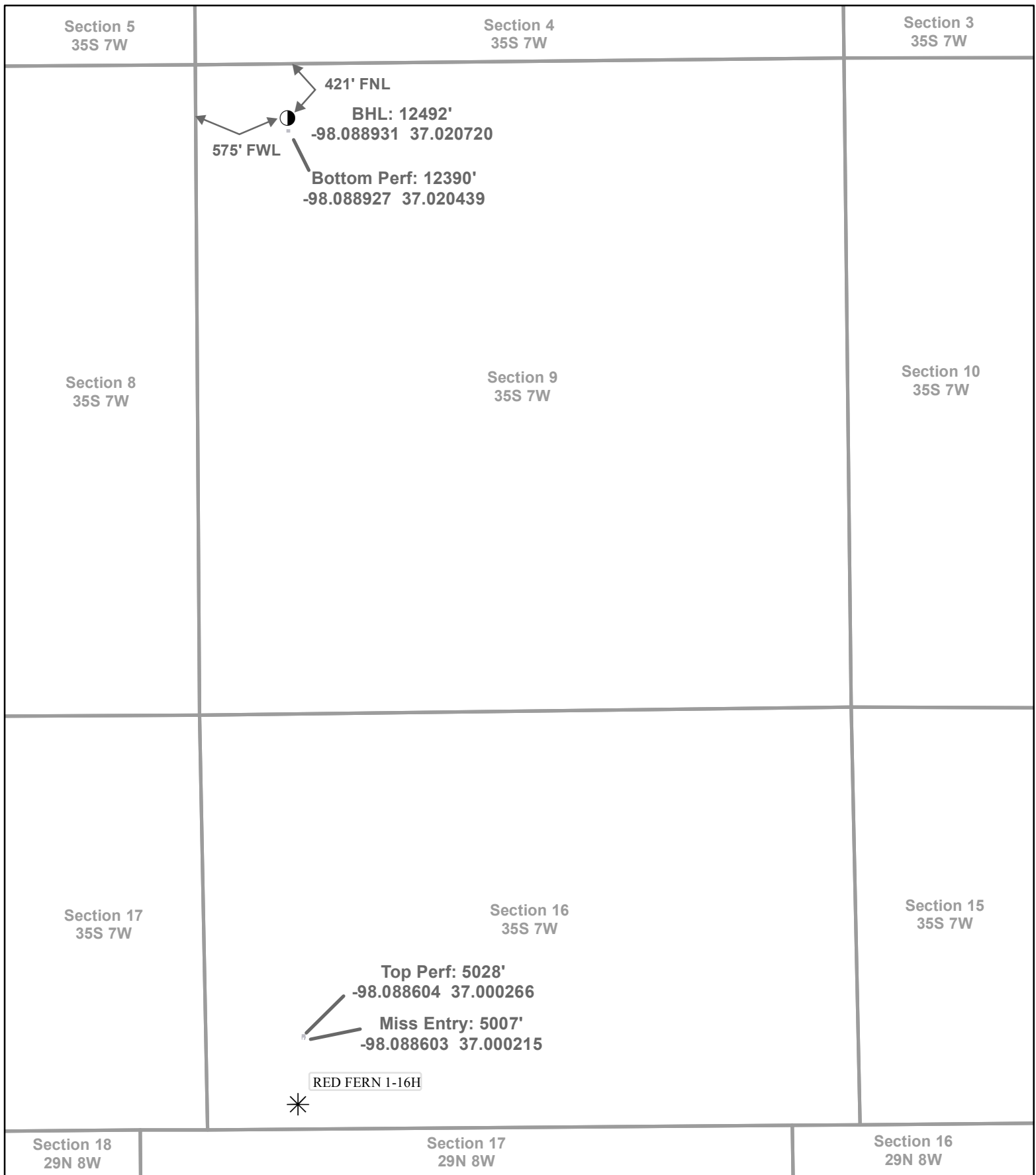
08:38 am



Karen

Sharp

11/21/011 TMD 12,492' ; TVD 4779'

06:52 am



 <p>Actual BH Location</p> <p>SandRidge Wells</p> <p>--- Perf</p> <p> Sections</p>	<p>Actual Bottom-Hole Location of Red Fern 1-16H Harper County, Kansas T&R: 35S 7W Section: 9 & 16, 421' FNL & 575' FWL Long: -98.088931, Lat: 37.020720</p> <p>1 in = 1,032 ft</p>		<p>Draftsman: Matt White</p> <p>Draft Date: 2/9/2012</p> <p>Drawing Name/Number: Addendum_Red_Fern_1-16H.mxd</p> <p>Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502</p>
---	--	---	---

