

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto: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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--





Customer	Bruce Oil Company, LLC	Lease & Well #	KAW #3			Date	6/17/2024
Service District	Eureka	County & State	Cowley, KS		Legals S/T/R	17 33S 3E	
Job Type	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No
Job #							EP13821
Equipment #	Driver	<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>					
1003	David	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging		
1203	Broker	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection		
1210	Monty	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations		
		<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations		
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below			
<b>Comments</b>							
API# 15-035-24797. RTD-343' KB. 8 5/8" set @ 328.80' GL. Note: First 55' of drilling depth was very sandy w/ lots of wash out in well bore which took more cement to fill up. 8 5/8" annulus standing full of cement after 15 mins.							
<b>Product/ Service Code</b>							
	<b>Description</b>	<b>Unit of Measure</b>	<b>Quantity</b>				<b>Net Amount</b>
D010	Depth Charge: 0'-500'	job	1.00				\$1,000.00
M010	Heavy Equipment Mileage	mi	90.00				\$360.00
M015	Light Equipment Mileage	mi	90.00				\$180.00
M020	Ton Mileage	tm	1,113.30				\$1,669.95
CP010	Class A Cement	sack	250.00				\$5,000.00
CP100	Calcium Chloride	lb	705.00				\$528.75
CP095	Bentonite Gel	lb	470.00				\$211.50
CP120	Cello-flake	lb	65.00				\$113.75
R061	Service Supervisor	day	1.00				\$275.00
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>							
						<b>Net:</b>	<b>\$9,338.95</b>
						<b>Total Taxable</b>	<b>\$ -</b>
						<b>Tax Rate:</b>	<b><del>          </del></b>
<b>Based on this job, how likely is it you would recommend HSI to a colleague?</b>						<b>Sale Tax:</b>	<b>\$ -</b>
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10						State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	
#####							
						HSI Representative: <i>David Gardner</i>	

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

Judd Gulick - C&G Drlg. Tool Pusher

**CUSTOMER AUTHORIZATION SIGNATURE**





Customer	Bruce Oil Company, LLC	Lease & Well #	KAW #3	Date	6/21/2024
Service District	Eureka	County & State	Cowley, KS	Legals S/T/R	17 33S 3E
Job Type	Longstring	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #
Equipment #	Driver	Ticket #			

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
1003	David	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
1203	Broker	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
1210	Jake	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
		<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

**Comments**

API# 15-035-24797. RTD - 3224' KB. 5 1/2" 14# Used Casing set @ 3225' = 1' above KB. SJ - 16.50'. 140 sks on Longstring, Plug RH w/ 20 sks, MH w/ 15 sks. Centralizers on #1,3,7. Baskets on top of #2,5,9,14.

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
D014	Depth Charge: 3001'-4000'	job	1.00	\$2,250.00
M010	Heavy Equipment Mileage	mi	90.00	\$360.00
M015	Light Equipment Mileage	mi	90.00	\$180.00
M020	Ton Mileage	tm	904.73	\$1,357.10
CP060	H854 Thixo	sack	175.00	\$5,250.00
CP125	Pheno Seal	lb	350.00	\$612.50
CP131	Cement Fluid Loss	lb	40.00	\$400.00
FE140	5 1/2" Guide Shoe	ea	1.00	\$250.00
FE147	5 1/2" Float Collar - AFU Flapper Type	ea	1.00	\$400.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$350.00
FE125	5 1/2" Centralizer	ea	3.00	\$180.00
FE130	5 1/2" Cement Basket	ea	4.00	\$1,200.00
R061	Service Supervisor	day	1.00	\$275.00

**Customer Section:** On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

1  
  2  
  3  
  4  
  5  
  6  
  7  
  8  
  9  
  10

Total Taxable	\$ -	Tax Rate:		Net:	\$13,064.60
Sale Tax:	\$ -	State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.			
<b>Total:</b>	<b>\$ 13,064.60</b>	<b>HSI Representative: David Gardner</b>			

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

Levi

**CUSTOMER AUTHORIZATION SIGNATURE**



**GEOLOGIC REPORT**

DANIEL T. JOHNSON  
CONSULTING GEOLOGIST  
19749 121<sup>ST</sup> RD, WINFIELD, KANSAS 67156  
620-229-3258

Scale: 5" / 100'  
Measured Depth Log

**Well Name** KAW #3  
**Location** 475' FSL & 660' FEL 17-T33S-R3E  
**State** Kansas **County** Cowley  
**Country** USA **Rig Number** C & G Drilling Company, Rig 3  
**API Number** 15-035-24797-00-00 **Field** Rainbow Bend  
**Geographic Region** Mid-Continent **Drilling Completed** 6/20/2024  
**Spud Date** 6/17/2024  
**Ground Elevation** 1114' Est. **K.B. Elevation** 1123'  
**Logged Interval** 2,100' **To** 3,224' **Total Depth** 3,224'  
**Formation** Mississippian  
**Type of Drilling Fluid** Chemical

**Operator**

**Company** Bruce Oil Company, LLC  
**Address** 1704 Limestone Rd  
McPherson, KS 67460

**Other Symbols**

**Engineering**

BIT  
 CONNECTION (RIGHT)

**Geologist**

**Name** Daniel T. Johnson  
**Company** Consulting Geologist  
**Address** 19749 121st Rd  
Winfield, KS 67156  
620-229-3258  
daniel.johnson3258@gmail.com

**Rock Types**

LIMESTONE SHALE GRAY SILTSTONE  
 CHERT SHALE COLORED SANDSTONE

**Other**

**Progress** 6/17: 10:00am spud well, Drilled 328' Surface hole, Set 328' of 8 5/8" w/ 250sx.  
6/18: 475' Drilling  
6/19: 2,297' Drilling  
6/20: 3,001' Drilling,RTD 3,224' @ 21:06:00, Ran 5 1/2" csg to 3,222'

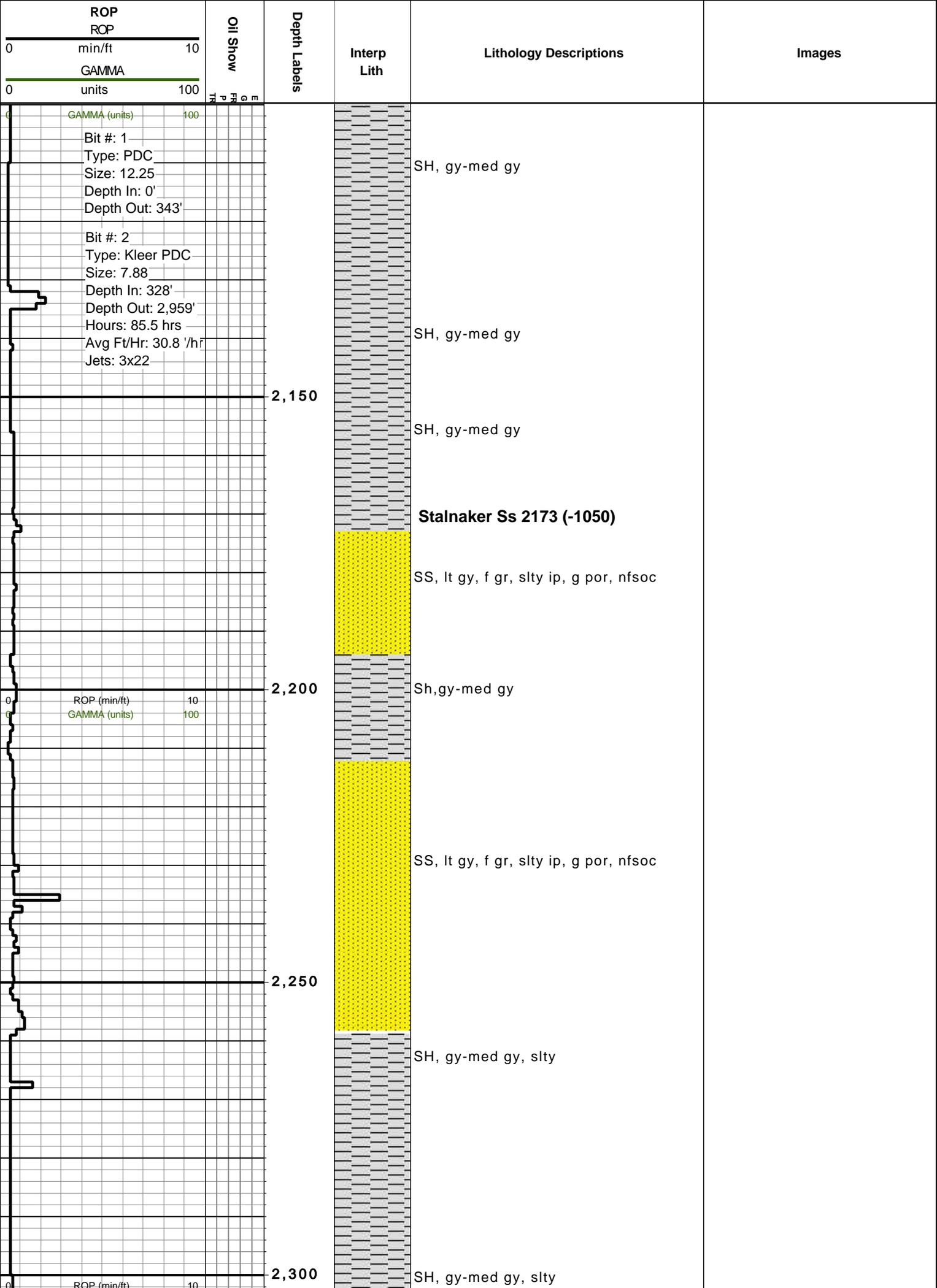
### Hole Profile

**Bore Hole Records**

Size	From	To
12.25	0.0	343.0
7.875	328.0	3224.0

**Casing Records**

Size	Wgt	From	To	Test
8.875	23	0	328	0
5.5	14.0	0	3225	0



SH, gy-med gy

SH, gy-med gy

SH, gy-med gy

**Stalnaker Ss 2173 (-1050)**

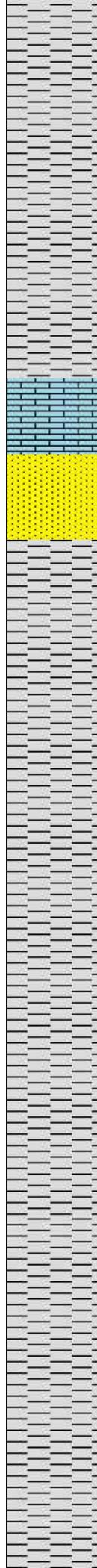
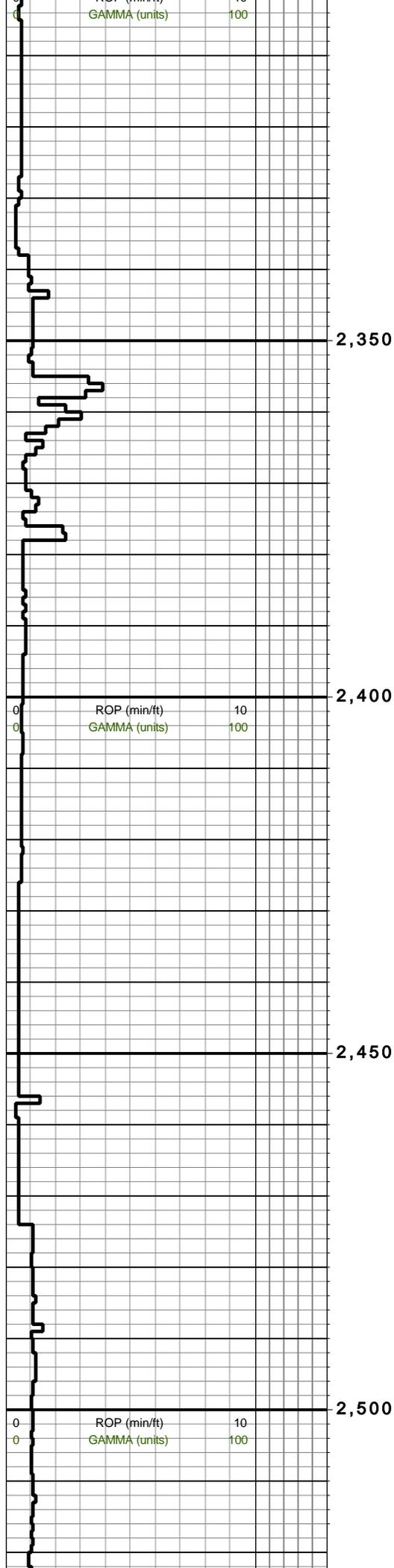
SS, lt gy, f gr, slty ip, g por, nfsoc

Sh,gy-med gy

SS, lt gy, f gr, slty ip, g por, nfsoc

SH, gy-med gy, slty

SH, gy-med gy, slty



SH, gy-med gy, slty

2,350

LS, Dk brn, med xln, p por, nfsoc

SS, lt gy, f grn, fr por, nfsoc

SH, gy-dk gy, slty

2,400

SH, dk gy

2,450

SH, dk gy

SH, dk gy

2,500

SH, gy

