

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. 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
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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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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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:	
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Form	ACO1 - Well Completion
Operator	Eagle Petroleum, Inc.
Well Name	AHLGRIM 2
Doc ID	1581503

All Electric Logs Run

DENSITY/NEUTRON
DUAL INDUCTION
MICRO LOG
BOND LOG



Company: Eagle Petroleum, Inc
Lease: Ahlgrim #2

SEC: 2 TWN: 20S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 2
 Elevation: 1794 EGL
 Field Name: Hammer
 Pool: Infield
 Job Number: 472
 API #: 15-009-26300-00-00

Operation:
 Test Complete

DATE
 March
30
 2021

DST #1 **Formation: Lans "A-C"** **Test Interval: 3102 - 3150'** **Total Depth: 3150'**
 Time On: 13:20 03/30 Time Off: 19:21 03/30
 Time On Bottom: 15:02 03/30 Time Off Bottom: 17:32 03/30

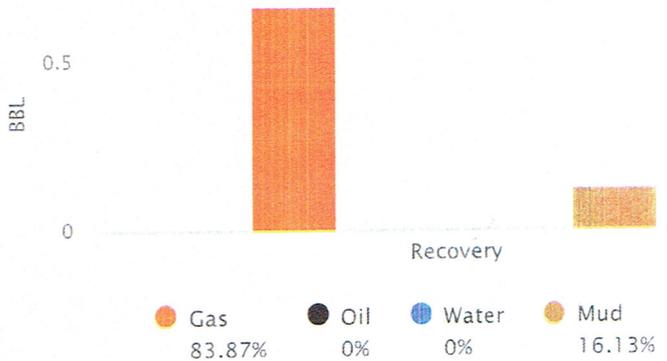
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
52	0.6708	G	100	0	0	0
10	0.129	M	0	0	0	100

Total Recovered: 62 ft
 Total Barrels Recovered: 0.7998

Reversed Out
 NO

Initial Hydrostatic Pressure	1488	PSI
Initial Flow	9 to 11	PSI
Initial Closed in Pressure	40	PSI
Final Flow Pressure	10 to 13	PSI
Final Closed in Pressure	43	PSI
Final Hydrostatic Pressure	1476	PSI
Temperature	94	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 3.76621



Company: Eagle Petroleum, Inc
Lease: Ahlgrim #2

SEC: 2 TWN: 20S RNG: 12W
County: BARTON
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 2
Elevation: 1794 EGL
Field Name: Hammer
Pool: Infield
Job Number: 472
API #: 15-009-26300-00-00

Operation:

Test Complete

DATE

March
30
2021

DST #1	Formation: Lans "A-C"	Test Interval: 3102 - 3150'	Total Depth: 3150'
	Time On: 13:20 03/30	Time Off: 19:21 03/30	
	Time On Bottom: 15:02 03/30	Time Off Bottom: 17:32 03/30	

BUCKET MEASUREMENT:

1st Open: 1/2 in. blow building to 1 in. in 30 mins.
1st Close: No blow back.
2nd Open: 1/2 in. blow building to 1 in. in 45 mins.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



Company: Eagle Petroleum, Inc
Lease: Ahlgrim #2

SEC: 2 TWN: 20S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 2
 Elevation: 1794 EGL
 Field Name: Hammer
 Pool: Infield
 Job Number: 472
 API #: 15-009-26300-00-00

Operation:
 Test Complete

DATE
 March
31
 2021

DST #2 **Formation: Lower KC** **Test Interval: 3242 - 3308'** **Total Depth: 3308'**
 Time On: 09:56 03/31 Time Off: 16:08 03/31
 Time On Bottom: 11:22 03/31 Time Off Bottom: 13:52 03/31

Electronic Volume
 Estimate:
 1397'

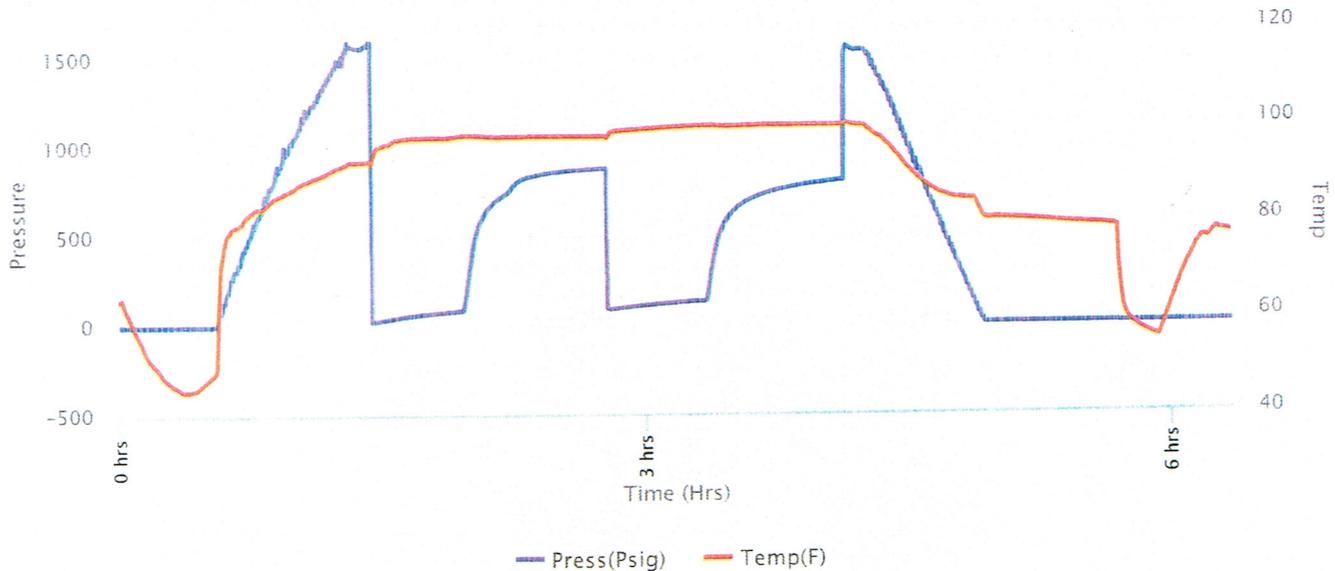
1st Open
 Minutes: 30
 Current Reading:
 92.2" at 30 min
 Max Reading: 92.2"

1st Close
 Minutes: 45
 Current Reading:
 .6" at 45 min
 Max Reading: 2.2"

2nd Open
 Minutes: 30
 Current Reading:
 80.6" at 30 min
 Max Reading: 80.6"

2nd Close
 Minutes: 45
 Current Reading:
 16.9" at 45 min
 Max Reading: 16.9"

Inside Recorder





Company: Eagle Petroleum, Inc
Lease: Ahlgrim #2

SEC: 2 TWN: 20S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 2
 Elevation: 1794 EGL
 Field Name: Hammer
 Pool: Infield
 Job Number: 472
 API #: 15-009-26300-00-00

Operation:
 Test Complete

DATE
 March
31
 2021

DST #2 **Formation: Lower KC** **Test Interval: 3242 - 3308'** **Total Depth: 3308'**
 Time On: 09:56 03/31 Time Off: 16:08 03/31
 Time On Bottom: 11:22 03/31 Time Off Bottom: 13:52 03/31

Recovered

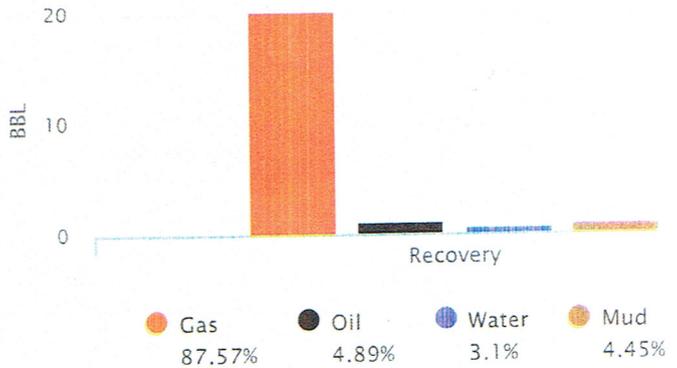
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1505	19.4145	G	100	0	0	0
45	0.5805	SLOCSLGCM	10	3	0	87
124	1.5996	SLWCSLMCHOOG	42	36	4	18
62	0.7998	SLMC SLWCGCO	20	60	15	5
5	0.0645	SLGCHWCO	10	60	30	0
57	0.7353	SLOCMCW	0	3	70	27

Total Recovered: 1798 ft
 Total Barrels Recovered: 23.1942

Reversed Out
 NO

Initial Hydrostatic Pressure	1570	PSI
Initial Flow	22 to 84	PSI
Initial Closed in Pressure	888	PSI
Final Flow Pressure	89 to 133	PSI
Final Closed in Pressure	815	PSI
Final Hydrostatic Pressure	1570	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	8.2	%

Recovery at a glance



GIP cubic foot volume: 114.03494



Company: Eagle Petroleum, Inc
Lease: Ahlgrim #2

SEC: 2 TWN: 20S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 2
 Elevation: 1794 EGL
 Field Name: Hammer
 Pool: Infield
 Job Number: 472
 API #: 15-009-26300-00-00

Operation:
 Test Complete

DATE
 March
31
 2021

DST #2	Formation: Lower KC	Test Interval: 3242 - 3308'	Total Depth: 3308'
	Time On: 09:56 03/31	Time Off: 16:08 03/31	
	Time On Bottom: 11:22 03/31	Time Off Bottom: 13:52 03/31	

BUCKET MEASUREMENT:

1st Open: 1 in. blow building. BOB in 2 1/2 mins.
 1st Close: 2 1/4 in. blow back.
 2nd Open: 3 in. blow building. BOB in 2 1/2 mins.
 2nd Close: BOB blow back.

REMARKS:

Tool Sample: 0% Gas 85% Oil 15% Water 0% Mud

Ph: 7

Measured RW: .6 @ 57 degrees °F

RW at Formation Temp: 0.358 @ 100 °F

Chlorides: 40,000 ppm

COPELAND

Acid & Cement

BURRTON, KS ● GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

INVOICE NUMBER:
C60272-IN

BILL TO:
EAGLE PETROLEUM, INC.
PO BOX 335
ELLINWOOD, KS 67526-0335

LEASE: AHLGRIM #2

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
03/29/2021	60272		03/27/2021	AHLGRIM #2	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
10.00	MI	MILEAGE PICKUP		21.55	20.00	156.90
10.00	MI	MILEAGE CEMENT PUMP TRUCK		21.55	4.00	31.38
1.00	EA	PUMP CHARGE SURFACE		21.55	1,100.00	862.95
300.00	SK	65/35 POZ MIX 2% GEL		21.55	11.50	2,706.53
200.00	SK	60/40 POZ MIX 2% GEL		21.54	11.25	1,765.33
11.00	SK	2% ADDITIONAL GEL		21.54	24.00	207.13
27.00	SK	CALCIUM CHLORIDE		21.54	40.00	847.35
538.00	EA	BULK CHARGE		21.54	1.25	527.64
236.72	MI	BULK TRUCK - TON MILES		21.54	1.10	204.30
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		7,309.51
RECEIVED BY _____		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		BATCO Sales Tax:		414.48
		NET 30 DAYS		Invoice Total:		7,723.99

Pd CK # 5857

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.

COPELAND

Acid & Cement

BURRTON, KS ♦ GREAT BEND, KS
(620) 463-5161 (620) 793-3366
FAX (620) 463-2104 FAX (620) 793-3536

POST OFFICE BOX 438
HAYSVILLE, KS 67060
(316) 524-1225
(316) 524-1027 FAX

Invoice

Page: 1

INVOICE NUMBER:
C50398-IN

BILL TO:
EAGLE PETROLEUM, INC.
PO BOX 335
ELLINWOOD, KS 67526-0335

LEASE: NEW WELL AHLGRIM #2

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
04/15/2021	50398		04/02/2021	NEW WELL AHLGRIM #2	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
		NEW WELL				
10.00	MI	MILEAGE PICKUP		20.00	2.00	16.00
10.00	MI	MILEAGE CEMENT PUMP TRUCK		20.00	4.00	32.00
1.00	EA	PUMP CHARGE LONG STRING		20.00	1,600.00	1,280.00
180.00	SK	60/40 POZ MIX 2% GEL		20.00	11.25	1,620.00
100.00	LB	C-41P DEFOAMER		20.00	3.75	300.00
50.00	LB	FLUID LOSS C-12		20.00	6.00	240.00
100.00	LB	FRICTION REDUCER C-37		20.00	4.00	320.00
900.00	LB	FINE SALT		20.00	0.25	180.00
750.00	LB	GILSONITE		20.00	0.75	450.00
5.00	EA	5 1/2" CTURBO-CENTRALIZER		20.00	85.00	340.00
1.00	EACH	PACKER SHOE		20.00	2,100.00	1,680.00
2.00	EA	5 1/2" BASKET		20.00	155.00	248.00
1.00	EA	LATCH DOWN PLUG & BAFFLE		20.00	175.00	140.00
218.00	EA	BULK CHARGE		20.00	1.25	218.00

Continued



NEW WELL

FIELD ORDER

N^o C 50398

BOX 438 - HAYSVILLE, KANSAS 67060
316-524-1225

DATE 2-Apr 20 21

IS AUTHORIZED BY: Eagle Petroleum (NAME OF CUSTOMER)

Address _____ City _____ State _____

TO TREAT WELL AS FOLLOWS Lease Ahlgim Well No. _____ 2 Customer Order No. _____

Sec. Twp. _____ Range _____ County Barton State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____ Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20.0001	10	Mileage P.U.	\$2.00	\$20.00
20.0002	10	Mileage P.T.	\$4.00	\$40.00
20.0007	1	Pump Charge Long String	\$1,600.00	\$1,600.00
20.1002	180	60/40 Poz 2% Gel	\$11.25	\$2,025.00
20.1008	100	C-41P per lb. Defoamer	\$3.75	\$375.00
20.1009	50	C-12 per lb. Fluid Loss	\$6.00	\$300.00
20.101	100	C-37 per lb. Friction Reducer	\$4.00	\$400.00
20.1015	900	Fine Salt per lb.	\$0.25	\$225.00
20.1016	750	Gilsonite per lb.	\$0.75	\$562.50
20.2002	5	5 1/2" Turbo-Centralizer	\$85.00	\$425.00
20.2005	1	Packer Shoe	\$2,100.00	\$2,100.00
20.2006	2	5 1/2" Basket	\$155.00	\$310.00
20.2009	1	Latch Down Plug & Baffle	\$175.00	\$175.00
20.0011	218	Bulk Charge	\$1.25	\$272.50
20.0012	88.7	Bulk Truck Miles	Min	\$150.00
		Process License Fee on Gallons		
TOTAL BILLING				\$8,980.00

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below. **\$7184.00**

Copeland Representative Nathan W.

Station GB

Ron H.

Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS



TREATMENT REPORT

Acid Stage No. _____

Date 4/2/2021 District GB F.O. No. 50398

Company Eagle Petroleum

Well Name & No. Ahlgim #2

Location _____ Field _____

County Barton State KS

Casing: Size 5.5" Type & Wt. 17# Set at _____ ft.

Formation: _____ Perf. _____ to _____ ft.

Formation: _____ Perf. _____ to _____ ft.

Formation: _____ Perf. _____ to _____ ft.

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.

Cemented: Yes No Perforated from _____ ft. to _____ ft.

Tubing: Size & Wt. _____ Swung at _____ ft.

Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Bkdown	_____ Bbl./Gal.	_____	_____	_____
	_____ Bbl./Gal.	_____	_____	_____
	_____ Bbl./Gal.	_____	_____	_____
	_____ Bbl./Gal.	_____	_____	_____
Flush	_____ Bbl./Gal.	_____	_____	_____
Treated from _____ ft. to _____ ft.				No. ft. <u>0</u>
from _____ ft. to _____ ft.				No. ft. <u>0</u>
from _____ ft. to _____ ft.				No. ft. <u>0</u>

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Pump Trucks: No. Used: Std. 365 Sp. _____ Twin _____

Auxiliary Equipment: 327

Personne: Nathan-Clarence-Jim

Auxiliary Tools: _____

Plugging or Sealing Materials: Type _____

Company Representative Ron H. Treater Nathan W.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
2:00		5.5"		On Location. Rig layind down collars.
				TD-3715'
				Packer Shoe-3455'
				Baffle-3423'
				Break circulation with mud pump. Circulate for 30 minutes.
				Drop ball and set packer shoe at 1700#
				Plug Rat Hole with 30sks and mouse hole with 20sks
				Mix 150sks 60/40poz 2%gel 12% Salt .75% C-37
				.75%C-41p .25%C-12 5#/sk Gilsonite.
				Wash out pump and lines.
				Displace with 79.4bbbls at 5.5bpm-700# Plug landed at
8:00				1000# Release pressure. Float Held.
				Thank You!
				Nathan W.



Musgrove

PETROLEUM CORPORATION
Claffin, Kansas

Scale 1:240 Imperial

Well Name: Ahlgrim#2
 Surface Location: 2-20S-12W
 Bottom Location:
 API: 15-009-26300-0000
 License Number: 3309
 Spud Date: 3/26/2021 Time: 7:34 PM
 Region: Barton Co
 Drilling Completed: 4/1/2021 Time: 10:50 AM
 Surface Coordinates: 330' FSL & 2135' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1794.00ft
 K.B. Elevation: 1802.00ft
 Logged Interval: 2700.00ft To: 3715.00ft
 Total Depth: 3715.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: EAGLE PETROLEUM, INC.
 Address: PO BOX 335
 ELLINWOOD KS 67526

Contact Geologist:
 Contact Phone Nbr:

Well Name: Ahlgrim#2
 Location: 2-20S-12W
 API: 15-009-26300-0000

Pool: Infield
 State: Kansas

Field: Hammer
 Country: USA

ELEVATIONS

K.B. Elevation: 1802.00ft Ground Elevation: 1794.00ft
 K.B. to Ground: 8.00ft

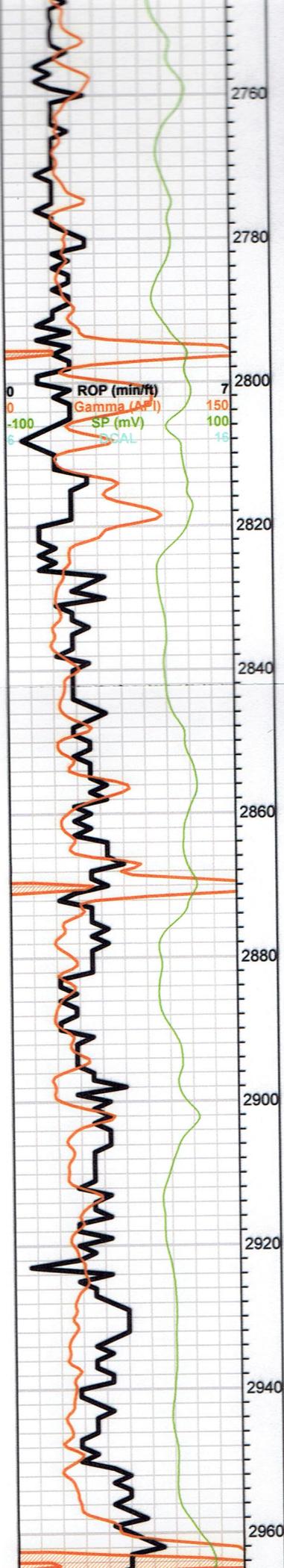


FORMATION	DRELLING				OIL				DRY				OIL				OIL				
	LOG	WEL	EL	WEL	LOG	WEL	EL	WEL	LOG	WEL	EL	WEL	LOG	WEL	EL	WEL	LOG	WEL	EL	WEL	
Anhydrite	582	1220			593	1205	+ 15		583	1216	+ 4										
B. Anhydrite																					
Topeka	2716	-914	2706	-904									2706	-908	-	6	+ 4	2722	-919	+ 6	+ 4
K. Hill	2795	-993	2793	-991									2800	-1002	+ 9	+ 11	2799	-996	+ 9	+ 11	
Q. Hill	2868	-1066	2874	-1072									2874	-1076	+ 10	+ 4	2874	-1071	+ 1	- 4	
Plattsmouth	2894	-1092	2895	-1093													2890	-1087	- 1	- 6	
Heebner	2960	-1158	2966	-1164	2951	-1153	- 5	- 11	2986	-1187	+ 29	+ 23	2966	-1168	+ 10	+ 4	2969	-1166	+ 10	+ 4	
Toronto	2980	-1178	2978	-1176									2981	-1183	+ 5	+ 7	2985	-1182	+ 5	+ 7	
Douglas	2998	-1196	2996	-1194									2996	-1196	+ 2	+ 4	3000	-1197	+ 2		
Brown Lime	3082	-1280	3086	-1284	3071	-1273	- 7	-	3106	-1307	+ 27	+ 23	3089	-1291	+ 11	+ 7	3088	-1285	+ 11	+ 7	
Lansing	3098	-1296	3100	-1298	3085	-1287	- 9	- 11	3123	-1324	+ 28	+ 26	3108	-1310	+ 14	+ 12	3104	-1301	+ 14	+ 12	
Muncie Cr. Sh	3222	-1420	3221	-1419													3234	-1431	+ 1	+ 12	
BKC	3334	-1532	3330	-1528	3322	-1524	- 8	- 4					3337	-1539	+ 7	+ 11	3348	-1545	+ 7	+ 17	
Arbuckle	3394	-1592	3390	-1588	3330	-1532	- 60	- 56	3354	-1555	- 37	- 33	3345	-1547	- 45	- 41	3355	-1552	- 45	- 36	
RTD	3715	-1913	3715	-1913	3343	-1545	- 368	- 368	3770	-1971	+ 58	+ 58	3505	-1707	- 206	- 206	3423	-1620	- 206	- 293	
LTD	3715	-1913	3715	-1913									3504	-1706	- 207	- 207					



Company: Eagle Petroleum, Inc
 Lease: Ahlgrim #2

SEC 2 TWN: 20S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 2
 Elevation: 1794 EGL
 Field Name: Ahlgrim



LS, a/a, tr. dk brn - blk stain, no sfo no odor

LS, crm tan, fxl, few foss, dns, poor porosity, chalky in pt.

King Hill 2793.0 (-991.0)

Black carb Sh

LS, tan, buff, few foss, poorly devl. por. no shows

LS, tan, foss/ oom/ vuggy porosity, chalky, no shows

LS, tan, foss, poor scattered p.p. por, no shows

LS, a/a, dense, few foss, no shows

Queen Hill 2874.0 (-1072.0)

Sh, black carb

LS, cream, tan, scatterd p.p. por., sl. chalky, sfo (v.weak) spty dk brn tarry / viscous sfo, no odor

LS, tan, brn few foss, poor porosity, nsfo, no odor

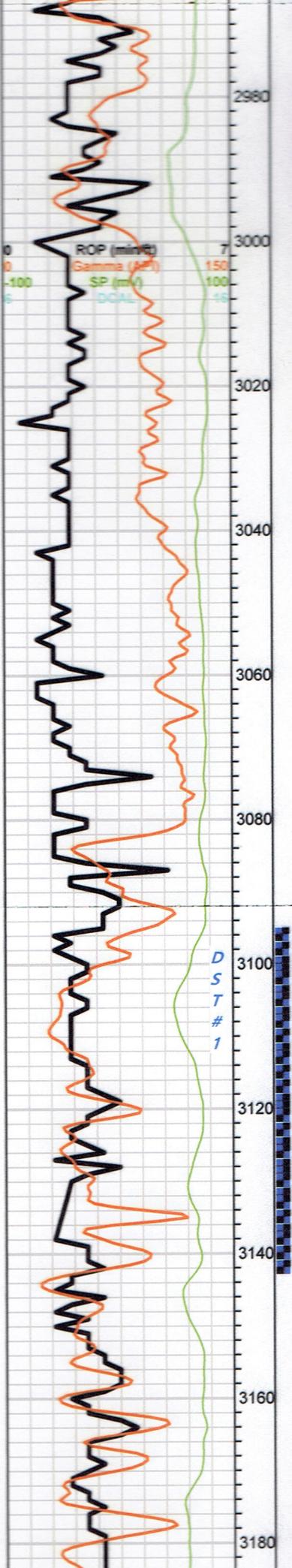
LS, tan, / white, foss/ ool, good oom vuggy type porosity, no shows.

LS, tan, brn, p.p. porosity, sl. chalky, tr. blk stain

Heebner 2966.0 (-1164.0)

Sh black carb

30	COND (pu)	-10
6	DCAL (in)	16
0.25	RHOB (g/cc)	-0.25
	Shallow Induction (ohm-ft)	



Toronto 2978.0 (-1176.0)

LS, tan, white, crm, sl. chalky, no shows no odor

Douglas 2996.0 (-1196.0)

Sh, gry , green sdy, tr. sd. clr, f. grained, poorly sorted, no shows

Sh, gry, green, dk gry , sandy

Sh, a/a , tr. sd. gry , f. grain . no shows

Brown Lime 3086.0 (-1284.0)

LS, brn, tan, fxl, dense
dk gry sh.

Lansing 3100.0 (-1298.0)

LS, tan, buff, f- medxn , pr- fair scatt. porosity, blk spty stain , tr. sfo, faint odor

Tr. gry sh.

(GEOCLOCK STOPPED FOR 8' 3182-3190)

LS, tan, buff, scatt. vuggy por., poor - good inner por., (frosted) sfo , strong odor few vis gas bubbles in crushed sampes.

LS, tan, ool, good inxn porosity, sl. frosted luster.

LS, tan, fxl, few foss, poor dev., oom type por. nsfo, wk blk/ brn filky str

LS, tan, few foss, poor - fair p n type por. sfo (weak)

30	COND (pu)	-10
5	DCAL (in)	15
0.25	RHOB (g/cc)	-0.25
0	Shallow Induction (ohmm)	

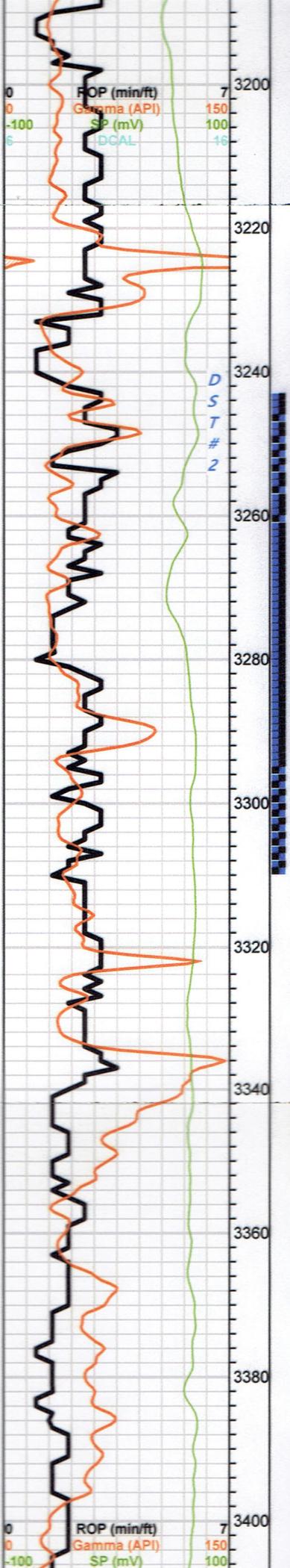
DST # 1 3102-3150
30-30-45-45

1st Open:
Weak blow,
2nd Open:
Dead

Recovery:
52' GIP
10' mud

Pressures:
ISIP 40 psi
FSIP 43 psi
IFP 9-11 psi
FFP 10-13 psi
HSH 1488-1476 psi

Mud Check DST 1
Wt: 8.9
Visc: 50
Filtrate: 6.4
Chlorides: 8400ppm



LS, tan, white, ool, poor oom vuggy porosity, dense, no sfo no odor few tr. white cherts

Muncie Creek 3221.0 (-1419.0)

Sh, black carb

LS, tan, gry, p.p. por, few dense, cherty, tr. blk sppty stain, nsfo, no odor

LS, white, fxl, dense, tr. gry sh.

LS, tan, white, scatt. vuggy typ por., sl. chalky, tr. brn stain, lt. sfo, faint odor

LS, tan, buff, fxl, dns, -->cherty poor vis. porosity, no shows, no odor

LS, tan, buff, fair scatterd por, sl. chalky, lt. brn stain, lt. sppty sfo, ??? odor

Abd, maroon, / gry, sh, tr. pyrite, LS, cream, tan, fxl, cherty, no shows, no odor

LS, tan, few foss, dense, poor. fair scattered vuggy type porosity, no shows no odor

BKC 3330.0 (-1528.0)

Inc, maroon sh,

LS, tan, crm dense, poor vis. por., no shows, no odor, tr. tr. v. c. sh,

LS, a/a, white, crm, poor p.p. por., chalky, tr. red/ green maroon sh, few cherts orange, cream--> bone white tr. dol. chert, tan, brn, white, fxl, dense poor por., no shows, no odor

Abd. aqua green soft sh. tr. chert, white, tan, fxl, dense poor porosity

Abd. sh, gry, - blk, tr. white & opaque chert. inc. red wash in samples

Arbuckle 3390.0 (-1588.0)

Dol, white, suc. poorly inxln porosity, lt. brn strn, nsfo, faint odor

DST #2 3242-3308
1st open : BOB 2.5 mins.

2nd Open: BOB 2.5 mins.

Recovery :
1505' GIP
45' SLOGGCM
(10%G, 3%O, 87%M)

124' SL.WCM&GO
(42%G, 36%O, 4%W, 18%M)

62' SLM&WCGO
20%G, 60%O, 15%W, 5%M)

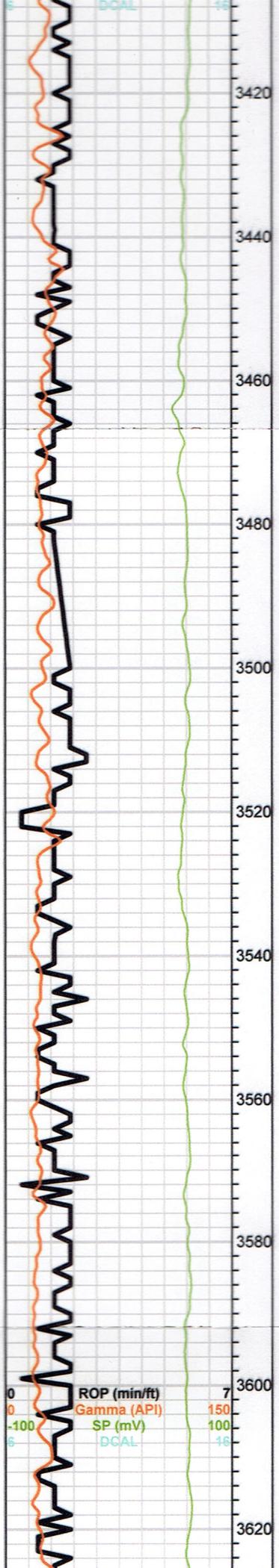
5' SL G&WCO
(10%G, 60%O, 30%W)

57' SL OC MW
(3%O, 70%W, 27%M)

Pressures:
ISIP 888 psi
FSIP 815 psi
IFP 22-84 psi
FFP 89-133 psi
HSH 1570-1570 psi

Red wash increased in samples.

COND (psi) -10
DCAL (mV) 15
RHOB (g/cc) -8.25



0 Dol, white, tan, suc. poor inxln por., lt. brn stain , nsfo, faint odor

Dol, tan, fxl, dense, cherty in pt, poor inxln porosity, nsfo faint odor

Dol. tan, fxl, dense, cherty in pt,s poor inxln porosity no shows

0 Dol, tan, brn, fxl, dense, poor inxln porosity, dk blk - brn spty sfo (wk), ??? odor

Dol, white, fxl, - med xln , scattered vuggy porosity fair inxln porosity, nsfo, no odor

Dol, tan, suc, med xln fair p.p. - coarse por.,

Dol, white, dense, poor vis. por, poor inxln porosity

Dol, tan, suc. good inxln por., lt. flky black stain, nsfo, no odor

Dol, a/a

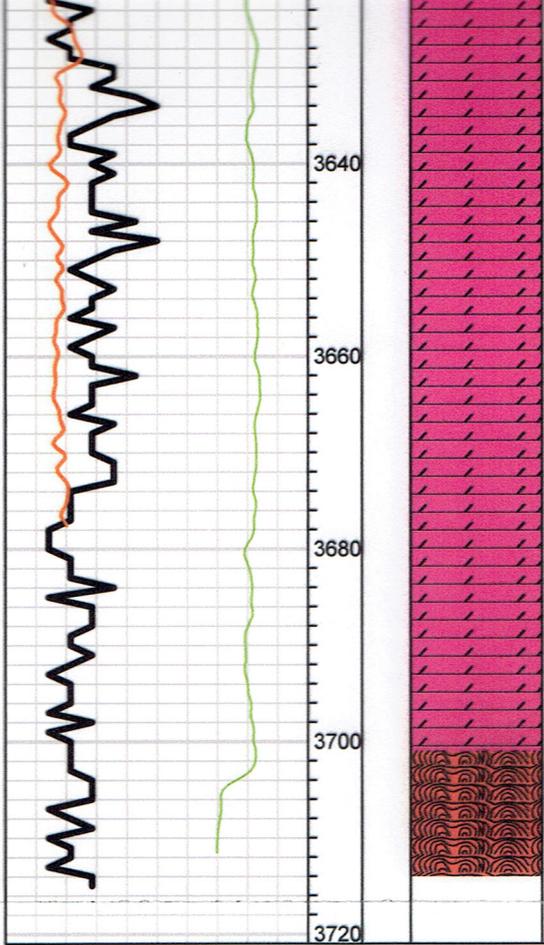
Dol, white, fxl, poor - fair inxln por, tr. glauc., nsfo

Dol, white, med xln poor - fair inxln porosity, tr. glauc., nsfo

Dol, white, fxl, poor inxln porosity, dense, --> cherty

Dol, a/a

30 COND (pu) -10
 6 DCAL (in) 16
 0.25 RHOB (g/cc) -0.25
 Shallow Induction (ohm-m)



Dol, white, med xln fair inxln por., few lg. coarse xln dol, good inxln por., tr. chert white opaque

Dol, white, crm, f- med xln fair inxln porosity, nsfo no odor

Dol, white, crm, fxl, -medxln , poor inxln porosity, tr. glauc. no shows

Granite Wash 3704.0 (-1902.0)

Gran, clr , sub angular, dense, tr. orange / trans. quartz , no shows no odor

RTD 3715.0 (-1914.0)