Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1254892

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 #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	NE NW SE SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Ab	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWI	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Prod	
	Chloride content:ppm Fluid volume:bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	_
SWD Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date  Recompletion Date  Recompletion Date	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 Approved by: Date:

### 1254892

Operator Name:				_ Lease	Name: $\_$				Well #:		
Sec Twp	S. R	East W	/est	County	/:						
open and closed, flow	now important tops of for ring and shut-in pressu o surface test, along w	res, whether sl	hut-in pre	ssure read	ched stati	c level, hydr	ostatic press				
	g, Final Logs run to ob ed in LAS version 2.0 o					gs must be	emailed to ke	cc-well-log	gs@kcc.ks.gov	/. Digital	electronic log
Drill Stem Tests Taker (Attach Additional		Yes [	No		L	Ü	nation (Top),	Depth and			Sample
Samples Sent to Geological Survey					Nam	9			Тор		Datum
Cores Taken Electric Log Run		Yes [	No No								
List All E. Logs Run:											
		Papart all at	CASING		☐ Ne						
	Size Hole	Size Casi		Wei		ermediate, pro Setting		pe of	# Sacks	Type a	and Percent
Purpose of String	Drilled	Set (In O.		Lbs.		Depth		ement	Used		dditives
		ADI	DITIONAL	CEMENTI	NG / SQL	JEEZE RECO	ORD		I	l	
Purpose:	Depth Top Bottom	Type of Cer	# Sacks Used Type and Percent Additives								
Perforate Protect Casing Plug Back TD											
Plug Off Zone											
Did you perform a hydrau	ulic fracturing treatment or	this well?				Yes	No	(If No. skir	o questions 2 an	nd 3)	
-	otal base fluid of the hydra		eatment ex	ceed 350,0	00 gallons		☐ No		question 3)	.u 0)	
Was the hydraulic fractur	ring treatment information	submitted to the	chemical d	lisclosure re	egistry?	Yes	No	(If No, fill o	out Page Three	of the ACC	)-1)
Shots Per Foot		N RECORD - B				Acid	, Fracture, Sho		Squeeze Record	t	Depth
	, ,								,		
TUBING RECORD:	Size:	Set At:		Packer A	At:	Liner Run:	Yes	☐ No			
Date of First, Resumed	Production, SWD or ENH		ucing Meth	od:	ng $\square$	Gas Lift	Other (Exp	ulain)			
Estimated Production Per 24 Hours	Oil B			Mcf	Wate		Bbls.		as-Oil Ratio		Gravity
		I									
DISPOSITION Vented Solo	ON OF GAS:  Used on Lease	Open H	_	IETHOD OF		TION: Comp.	Commingled		PRODUCTIO	N INTER\	/AL:
	bmit ACO-18.)	Other (S			(Submit		(Submit ACO-4				

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Arnold E Unit 1-1
Doc ID	1254892

## All Electric Logs Run

Spectral Density Dual Spaced Neutron Log	
Microlog	
Array Compensated True Resistivity Log	
Borehole Compensated Sonic Array Log	

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Arnold E Unit 1-1
Doc ID	1254892

# Tops

Name	Тор	Datum
Heebner (base)	3710	-370
Toronto	3723	-383
Lansing	3766	-426
KS City (base)	4331	-991
Marmaton	4356	-1016
Ft. Scott	4534	-1194
Morrow	5016	-1676
Chester	5478	-2138
St. Genevieve	5534	-2194
RTD	5610	-2270
LTD	5606	-2266

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Arnold E Unit 1-1
Doc ID	1254892

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	1709	65/35 POZMIX, Class A		6%gel, 1/4# flakes, 3% CC
Production	7.875	5.50	15.5	5606	65/35 POZMIX, ASC	785	6%gel, 1/4# flakes, 6# Gilsonite

# ALLIED OIL & GAS SERVICES, LLC 063861 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT:
	- Off (Cay )
DATE 4 8/15 SEC. TWP. RANGE 40	CALLED OUT ON LOCATION JOB START JOB FINISH
	de Johnson GX - E Sell STorter STATE
OLD OR (YEW (Circle one) 5 //4 w	· Winto
1	
TYPE OF JOB Core Survey	OWNER Sonce
HOLE SIZE T.D.	CEMENT'
CASING SIZE 8 1/2 DEPTH 1789	AMOUNT ORDERED 645 Actu 65/35 670208 370 CC
TUBING SIZE DEPTH  DRILL PIPE 4/1 DEPTH	14 16 Flo Send
	150 Com 300CC
TOOL DEPTH PRES. MAX MINIMUM	COMMON 150 GK @ 1>9 268500
MEAS. LINE SHOE JOINT 47-	POZMIX @
CEMENT LEFT IN CSG. 42.	GEL @
PERFS.	CHLORIDE 2/07 @1 23/7
DISPLACEMENT	ASC @
EQUIPMENT	ALW 65/35 670401-645640 19 12802
	- FloSal 15616 @22 4/3 32
PUMPTRUCK CEMENTER How Kyas	- PULSAN 15015 @ 4153 -
# 495981 HELPER dun Kyan	- Madena Q Tota Q @ 182886
BULK TRUCK	
# 991) DRIVER LOKEN WENTZ BUCKTRUCK	- <u> </u>
# Q IX DRIVER COOM DOWN	@ 1/19
" 8 10 BRITER (AVA) 3.11 CO.	- HANDLING 90530 @2 2240
man a contra	MILEAGEZ Jerfride 3128
REMARKS:	TOTAL
Kuly, Gouland, Mr. 645 516 ALW 65/35699, of	1399CC
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 Flo Tail W/ 150 Con 300C, Displace w	2107 SERVICE
14 Flo Tai / 150 Con 30 FC , Diplate w/	
	DEPTH OF JOB
Busp Play TO 1000 85 th	DEPTH OF JOB_PUMP TRUCK CHARGE 22/3
	DEPTH OF JOB
Burg Play TO 1000 85 th Circulate	DEPTH OF JOB  PUMP TRUCK CHARGE 22/3 >>  EXTRA FOOTAGE @  MILEAGE 30 @ > 22 23/23
Busp Play TO 1000 85 th	DEPTH OF JOB  PUMP TRUCK CHARGE 22/3 >>  EXTRA FOOTAGE @  MILEAGE 30 @ > 22 23/23
Brook Did Circulate  The Total Liter, Luthere, Con	DEPTH OF JOB
Burg Play TO 1000 85 th Circulate	DEPTH OF JOB
Brook Did Circulate  The Total Liter, Luthere, Con	DEPTH OF JOB  PUMP TRUCK CHARGE 22/3 E  EXTRA FOOTAGE @  MILEAGE 30 @ > E 23/E  MANIFOLD Fleed @ 45 According to the control of the control o
But HD w loop 15T 4FT  Brough Play TO 1000 15th  Flower Held.  Coment Onl Circulate  Think to here, con  CHARGE TO: Becello  STREET	DEPTH OF JOB
Brook Play TO 1000 15T 21FT  Brook Play TO 1000 15TH  Flower Held.  Coment Onl Circulate  Thinkling to kene, con  CHARGE TO: Bece 100	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @ MILEAGE 30 @ DE 23/ES  MANIFOLD HEAR @ HEAR  CITEVON 30 @ HEAR  OF TOTAL 8.03/62
But HD w loop 15T 4FT  Brough Play TO 1000 15th  Flower Held.  Coment Onl Circulate  Think to here, con  CHARGE TO: Becello  STREET	DEPTH OF JOB
But HD w loop 15T 4FT  Brough Play TO 1000 15th  Flower Held.  Coment Onl Circulate  Think to here, con  CHARGE TO: Becello  STREET	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @ MILEAGE 30 @ DE 23/ES  MANIFOLD Flad @ JSC 34/ES  CITEVON 30 @ JSC 34/ES  OF TOTAL 8.03/62  PLUG & FLOAT EQUIPMENT
But HD w loop 15T 4FT  Brough Play TO 1000 15th  Flower Held.  Coment Onl Circulate  Think to here, con  CHARGE TO: Becello  STREET	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @ MILEAGE 30 @ DE 23/ES  MANIFOLD HEAR @ HEAR  CITEVON 30 @ HEAR  OF TOTAL 8.03/62
Briton W 600 15T 21FT  Bring Play TO 1000 15TH  Floor Floor Floor  Coment Dad Circulate  This Heavy, Luthers, Con  CHARGE TO: Bece 100  STREET  CITY STATE ZIP	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @  MILEAGE 30 @ DE 23/E  MANIFOLD FEEL @  CiteVelical 50 @ 45/E  PLUG & FLOAT EQUIPMENT  AFU Tracet 1 @ 949
Buy Play To 1009 15th Thomas The Circulate The Circulate The Main, Lukene, con CHARGE TO: BLOCKO STREET STATE ZIP  To: Allied Oil & Gas Services, LLC.	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @  MILEAGE 30 @ DE 23/ED  MANIFOLD Fled @ JEC 30/ED  CITEVERICA 50 @ JEC 30/ED  CITEVERICA 50 @ JEC 30/ED  PLUG & FLOAT EQUIPMENT  AFU Tracet T @ 940 & 960 &
Briton W 600 15T 21FT  Bring Play TO 1000 15TH  Floor Floor Floor  Coment Dad Circulate  This Heavy, Luthers, Con  CHARGE TO: Bece 100  STREET  CITY STATE ZIP	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @ MILEAGE 30 @ DE 23/ED  MANIFOLD Fled @ JE 23/ED  CITEVERICA 50 @ JE 23/ED  PLUG & FLOAT EQUIPMENT  AFU InserT @ JED  Control Page 940  Control Page 940  Extra footage @ JED  AFU InserT @ JED  Control Page 940  Extra footage / @ JED  AFU InserT @ JED  Control Page   @ JED  AFU InserT @ JED  Control Page   @ JED  AFU InserT @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  AFU INSERT   @ JED  CONTROL PAGE   @ JED  AFU INSERT   @ JED  CONTROL PAGE   @ JED  AFU INSERT   @ JED  AFU IN
Brown Play TO 1000 State  Flowed Held.  Coment Onl Circulate  Thin, Main, Luthere, con  CHARGE TO: BLECKO  STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @ MILEAGE 30 @ DE 23/ED  MANIFOLD Fled @ JE 23/ED  CITEVERICA 50 @ JE 23/ED  PLUG & FLOAT EQUIPMENT  AFU InserT @ JED  Control Page 940  Control Page 940  Extra footage @ JED  AFU InserT @ JED  Control Page 940  Extra footage / @ JED  AFU InserT @ JED  Control Page   @ JED  AFU InserT @ JED  Control Page   @ JED  AFU InserT @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  Control Page   @ JED  AFU INSERT   @ JED  AFU INSERT   @ JED  CONTROL PAGE   @ JED  AFU INSERT   @ JED  CONTROL PAGE   @ JED  AFU INSERT   @ JED  AFU IN
Brighthy W top 15T 4FT  Brighthy TO 1009 5Tt  Flowed Held.  Cornell L.  Charge To: Becello  STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	DEPTH OF JOB  PUMP TRUCK CHARGE 22/32  EXTRA FOOTAGE @ 23/25  MANIFOLD Head @ 25/25  CiteVehick 50 @ 45/25  PLUG & FLOAT EQUIPMENT  AFU Trace T   @ 440 25  Gartiglizers   @ 24 25/25  Centralizers   @ 24 25/25  Centralizers   @ 25/25/25  Centralizers   @ 25/25/25  Centralizers   @ 25/25/25  PLUG & STOTAL SON 62  Centralizers   @ 25/25/25  Centr
CHARGE TO: BLGC STATE ZIP  To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was	DEPTH OF JOB  PUMP TRUCK CHARGE  EXTRA FOOTAGE  MILEAGE  MANIFOLD Had  CITEVANCE 50  PLUG & FLOAT EQUIPMENT  AFU Traces 1 @ 949  Garter Flore 1 @ 949  Canter Flore 1 @ 949  TOTAL 1,2630
CHARGE TO: BLGC STATE ZIP  To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or	DEPTH OF JOB  PUMP TRUCK CHARGE  EXTRA FOOTAGE  MILEAGE  MANIFOLD Flad  CITEVARIA 30  PLUG & FLOAT EQUIPMENT  FLUG & FLOAT EQUIPMENT  AFM TraceT  Gailigher  Central Flori  JED Rusher Phys  (568.35/458)  TOTAL 1,2630  SALES TAX (If Any)
CHARGE TO: BLOCK STATE ZIP  To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL"	DEPTH OF JOB  PUMP TRUCK CHARGE  EXTRA FOOTAGE  MILEAGE  MANIFOLD Head  Citevelia 50  PLUG & FLOAT EQUIPMENT  FLUG & FLOAT EQUIPMENT  Gailigher  Gentagliner  TWO Robber (2)  SC8.35/452  TOTAL 1,2630
CHARGE TO: BLOCK STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side	DEPTH OF JOB  PUMP TRUCK CHARGE  EXTRA FOOTAGE  MILEAGE  MANIFOLD FLOAD  CITEVON 30  PLUG & FLOAT EQUIPMENT  ALL TRACET  GOLD FLOAT  CONTROL FLOAT  GOLD FLOAT  GO
CHARGE TO: BLOCK STATE ZIP  To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL"	DEPTH OF JOB  PUMP TRUCK CHARGE  EXTRA FOOTAGE  MILEAGE  MANIFOLD FLEAR  CITEVER 30  PLUG & FLOAT EQUIPMENT  FUG & FLOAT EQUIPMENT  AND RESTRICT  SOLUTION SOLUTION  SALES TAX (If Any)  TOTAL CHARGES 27,586.34  DISCOUNT 12,413.80(45%)  PAGE 23/32  PAID IN 30 DAYS  TOTAL CHARGES 27,586.34  DISCOUNT 12,413.80(45%)  PAID IN 30 DAYS
CHARGE TO: BLOCK STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side	DEPTH OF JOB  PUMP TRUCK CHARGE  EXTRA FOOTAGE  MILEAGE  MANIFOLD FLOAD  CITEVON 30  PLUG & FLOAT EQUIPMENT  ALL TRACET  GOLD FLOAT  CONTROL FLOAT  GOLD FLOAT  GO



# CEMENTING LOG STAGE NO.

~ Ulol		Rell	_	icket No. <i>L(c.</i> 3)	121.1	CEMENT DATA;
Company	UMANOO	ict_0010103	Z	icket No. 2015. ioBaseleo	8_@_L	Spacer Type:
Lann J-C	010 1007		H	Vell No. /_/		Amt. Sks Yield It 3/sk Density PPC
County 57	2.2822		v	•	/	
	32.02.75			iold	<u></u>	LEAD, Pump Time hrs. Typn 65 135 6 mg al 14 Pla
CASING DATA:					lisc 🔲	Am 1/15 Sks Yield 122 It 3/sk Density 12 PPG
Size 8518	Surface	Intermed	iate XX Pr	oduction 🗌 Ll	ner 🔲	TAIL: Pump Timehrs, Type
Size 2 10	Type_APE	Weig	iht	Collar		Excess
						Amt. 150 Sks Yield 13 ft²/sk Density 12 PPG WATER: Load 10 gals/sk Tail 12 gals/sk Total Bbls.
Casing Dapths: T	op <u>KG</u>		Bottom 1	7.09		Pump Trucks Used . VIC DSF Bulk Equip
						Bur Equip. 376
***************************************	11/1					
Drill Pipe: Size	917	Weight		Collars		
Opan Hole: Size	12/14	T.D	ft. :	P.B. to	ft.	Float Equip: Manufacturer
CAPACITY FACTO	ons:	0115				Shoe: Typn Gardle Depth / >05
Casing:	Bbls/Lin. ftL	0651_	Lin, ft./E	ъ		Float: Type AFN Ingert T Doubth 1662
Open Holes:	Bbls/Lin. ft		Lin. ft./E	Bbl		Centralizers: Quantity Plugs Top Btm
Drill Pipe:	•			lbl		Stage Collars
Annulus:	8bls/Lin. ft		Lin. ft./E	(15),		Special Equip.
	Bbls/Lin. ft		Lia, a./e	lbl		Disp. Fluid Type Arnt Bbls. Weight PPG
Perforations: F	rom	fr_ to		ft. Amt		Mird Type Weight PPG
COMPANY ŘEĚŘ	ESENTATIVE					CEMENTER AL
TIME 7	PRESSU	RES PSI	FLU	JID PUMPED I	DATA	OF LANGE
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	REMARKS
	CASIIVO		1.00	111101 (1100	5051411	anlocation strong sity
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FINAL DISP. PRES	SS:	PSI	BUMP PLU	ото		_ PSI BLEEDBACK BBLS. THANK YOU



# DIAMOND TESTING P.O. Box 157 OISINGTON, KANSAS 6754

HOISINGTON, KANSAS 67544 (800) 542-7313

### DRILL-STEM TEST TICKET

TIME ON: 0055
TIME OFF: 0630

FILE: ARNLDEUNT1-1DST1

Company BEREXCO LLC	Lease & Well No. ARNOLD E UNIT #1-1						
Contractor BEREDCO LLC RIG 1	Charge to BEREXCO LLC						
Elevation 3329 GL EST Formation UPPER MO	ROW_Effective Pay	Ft.	Ticket No	M762			
Date 4/16/2015 Sec. 01 Twp. 29			ANTON Stat	te_KANSAS			
Test Approved By EDWIN H. GRIEVES	Diamond Representative	MIKE	COCHRAN	1			
Formation Test No. 1 Interval Tested from	5015 ft. to 5061 ft	. Total Dep	oth	5061 ft.			
Packer Depth 5010 ft. Size 6 3/4 in.	Packer depth						
Packer Depth 5015 ft. Size 6 3/4 in.	Packer depth	NA <sub>ft</sub> .	Size_ 6 3/4	in.			
Depth of Selective Zone Set							
Top Recorder Depth (Inside) 4997	. Recorder Number	5448 Cap	5,0	000 P.S.I.			
Bottom Recorder Depth (Outside) 5017	. Recorder Number	0063 Car	o5,	,000 P.S.I.			
Below Straddle Recorder Depth	. Recorder Number	Сар		P.S.I.			
Mud Type CHEM Viscosity 50	Drill Collar Length	620 <sub>ft</sub> .	I.D. 2	1/4 in.			
Weight 9.2 Water Loss 8.0	_cc. Weight Pipe Length	0_ft.	I.D2	7/8 in			
Chlorides 650 P.P.M	Drill Pipe Length	4363 <sub>ft.</sub>	I.D3	1/2 in			
Jars: Make STERLING Serial Number 3	Test Tool Length	32 ft.	Tool Size3	1/2-IF in			
Did Well Flow? NO Reversed Out NO	Anchor Length	46 <sub>ft.</sub>	Size4	1/2-FH in			
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH	in. Surface Choke Size 1	in.	Bottom Choke	Size_5/8_in			
Blow: 1st Open:							
2nd Open:							
Recovered ft. of LOST CIRC WHILE TIH							
Recovered ft. of MISRUN							
Recoveredft. of							
Recoveredft. of							
Recoveredft. of		Price	: Job				
Recoveredft. of		Othe	r Charges				
Remarks:		Insur	ance				
A.M.	A.M.	Total					
	ff BottomP.M.	Maximum	Temperature _	112°F			
Initial Hydrostatic Pressure	(A)P	.S.I.					
Initial Flow PeriodMinutes	(B)P	.S.I. to (C)_		P.S.I.			
Initial Closed In Period Minutes	(D) P.	S.I.					
Final Flow Period Minutes	(E)P.	S.I. to (F)		_P.S.I.			
Final Closed In PeriodMinutes	(G)P.	S.I.					
Final Hydrostatic Pressure	(H) P.	S.I.					

# DIAMOND TESTING

### **Pressure Survey Report**

### **General Information**

Company Name Well Name Unique Well ID Surface Location Field Well Type BEREXCO LLC Job Number
ARNOLD E UNIT #1-1 Representative
DST#1 5015-5061 UPPER MORROW Well Operator
SEC.071-29S-41W STANTON CO.KS. Report Date
WILDCAT Prepared By
Vertical Qualified By

**Test Unit** 

M762 MIKE COCHRAN BEREXCO LLC 2015/04/17 MIKE COCHRAN EDWIN H. GRIEVES NO. 3

### **Test Information**

Test Type CONVENTIONAL Formation DST#1 5015-5061 UPPER MORROW Test Purpose (AEUB) Initial Test

 Start Test Date
 2015/04/17
 Start Test Time
 00:55:00

 Final Test Date
 2015/04/17
 Final Test Time
 06:30:00

 Well Fluid Type
 01 Oil

Gauge Name 5448

**Gauge Serial Number** 

#### **Test Results**

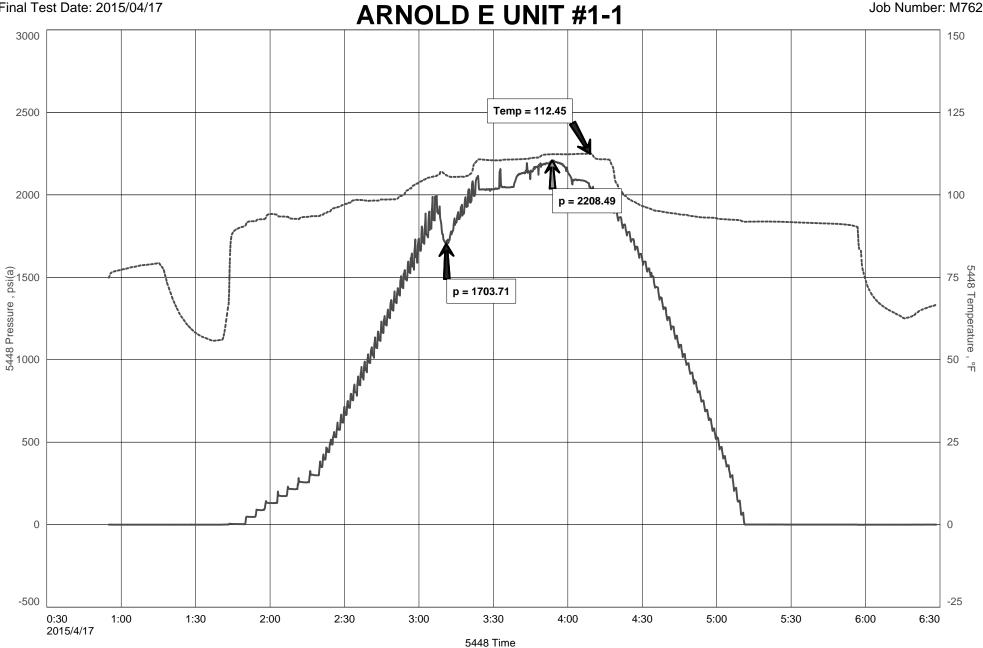
Remarks LOST CIRC WHILE TRIPPING IN HOLE

**BEREXCO LLC** DST#1 5015-5061 UPPER MORROW

Start Test Date: 2015/04/17 Final Test Date: 2015/04/17

ARNOLD E UNIT #1-1 Formation: DST#1 5015-5061 UPPER MORROW

Pool: WILDCAT Job Number: M762





# CEMENTING LOG

STAGE NO. /

-		in 17 0 18	1000	Ticket No. 04	4750	and the second of the second o
Company	Berekce	)	F	Rig Bered	co 1	Spacer Type: LC S/DG CEF  Amt. 13 BBCSks Yield
Loase Arn	Old inni			Vell No		PPG
County	Tanton					
Location	<u>/ 29</u>	4/	F	ield		LEAD: Pump Time hrs. Type Life Gilsonia
JOhnson	2.5 N	1 twin	ナロ			Virla-jes /
CASING DATA	Conductor	□ F	TA 🔲	Squeeze 🔲 N	lisc 🗍	Amt. 150 Sks Yield 2 113/sk Density 12,35 PPG
-11	Surface	☐ Intermed	liale 🔲 🛮 Pi	oduction 🕅 Li		TAIL Purpor Time
Size <u>5/2</u>	Туре	Wei	oht /57	Gollar		JALL: Pump Time hrs. Type 275 Stor ASC 2019
			y	- Contract		Amt275
			· · · · · · · · · · · · · · · · · · ·	-		
			**********			WATER: Lead gals/sk Tail gals/sk Total Bbls.
Casing Denths: 1	Top KB		Bottom :	56.101		B. W. L. L. L.
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						Bulk Equip.
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Open Hole: Size	7/1/	vveignt	<del></del>	Collars		102 11 12
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Casing:				3bl		Float: Type LOTA COUNT PLUG Dopth 556640
Open Holes:				Bbl		Centralizers: Quantity / Plugs Top Btm,
Orill Pipe:				3bl		Stage Collars 11/7004 3/85
Annulus:				lbl		Special Equip. 4 Bashes
	Bbls/Lin. ft		Lin. ft./8	Bbl		Disp. Fluid Type Light Mac Amt. 13-7, 48bls, Weight PPG
erforations:	ram	ft. to	-	ft. Amt	·	Mud Type Weight PPG
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	DRILL PIPE		TOTAL	,	RATE	Pamp SL Spacer
	DRILL PIPE		TOTAL	Pumped Per Time Period	RATE Obls Min.	Pamp SL spacer mix 150 sts lite
	DRILL PIPE		TOTAL	Pumped Per Time Period	RATE Obls Min.	Pump SL spacer mix 150 sts Ute mix 235 sts ASC
	DRILL PIPE		TOTAL	Pumped Per Time Period	RATE Obls Min.	Pump SL Spacer  mix 150 sts lite  mix 235 sts ASC  Wash Ampand line clean
	DRILL PIPE		TOTAL	Pumped Per Time Period	RATE Obls Min.	Pump SL Spacer  mix 150 sts lite  mix 235 sts AsC  Wash pumpand line clear  Release place
	DRILL PIPE		TOTAL	Pumped Per Time Period  /2	RATE Obls Min.	Pump SL Spacer  mix 150 Sts lite  mix 235 sts ASC  Wash Ampand line clear
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	DRILL PIPE CASING  SCO  JOOO		TOTAL	Pumped Per Time Period  /2  //2  //O  //O  //O  //O	RATE Bbls Min.	Pump SL Spacer  mix 180 sts lite  mix 235 sts ASC  Wash pumpand line clear  Release sacre  Start Displadment with wate  Water in  start pruch
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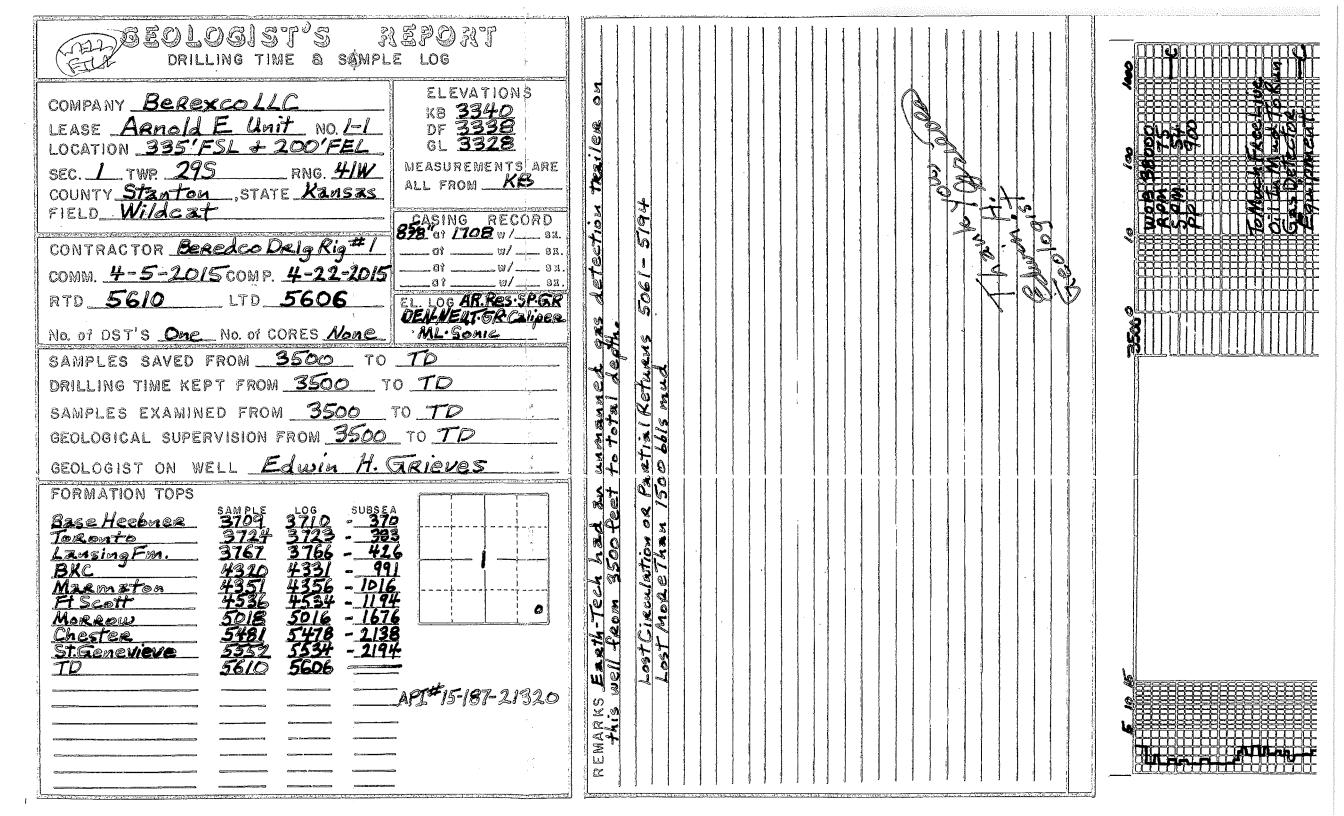


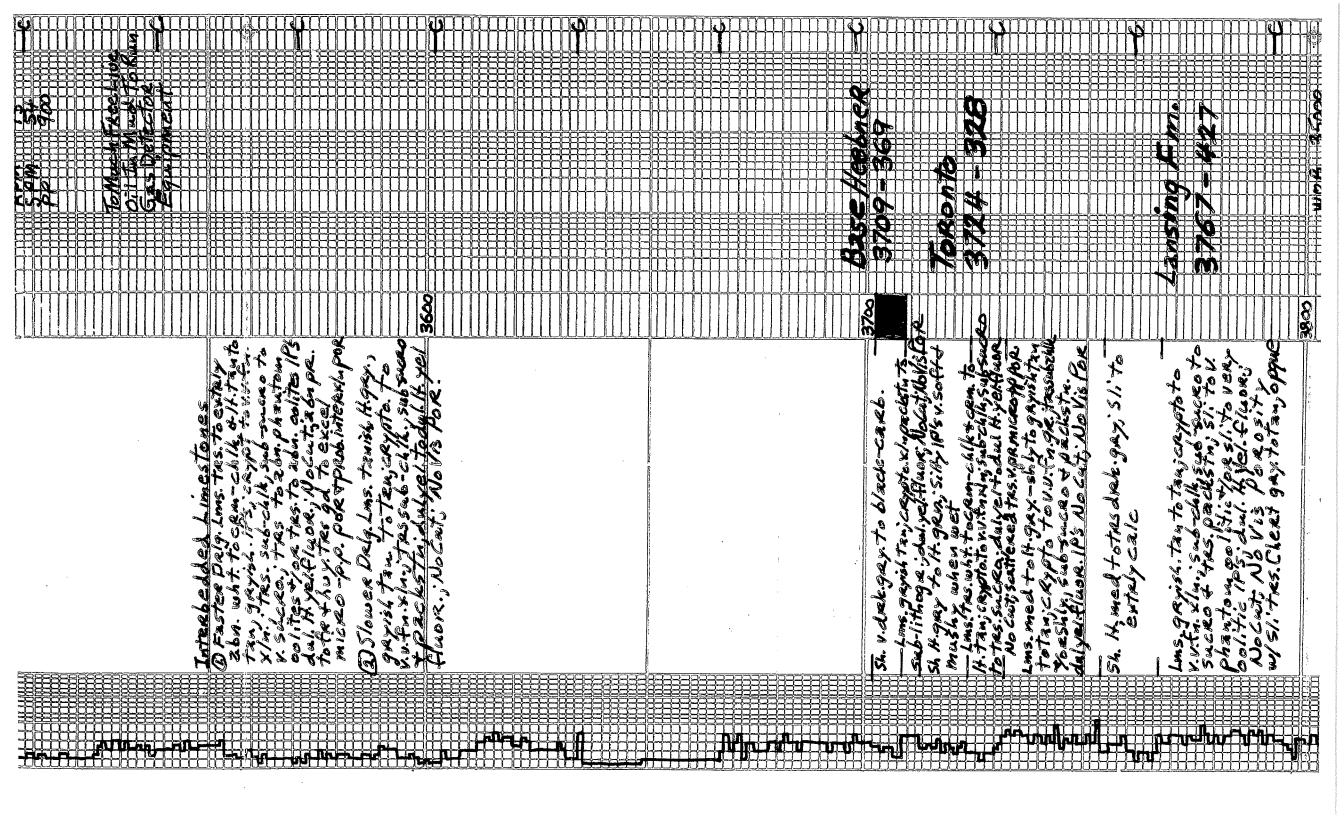
# CEMENTING LOG

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ALLIE JOIL & GAS SERVICE J. LL 6092.00 muy trucks later than Federal Tax I.D. # 20-8651475 REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 RANGE JOB FINISH IOB START 4100 Ain CALLED OUT ONLOCATION DATE 4-22-15 Arnold & COUNTY Starton STATE LOCATION-Johnson East side OLD OR NEW (Circle one) W FN into Beredoo Same CONTRACTOR OWNER oduction TYPE OF JOB CEMENT **HOLE SIZE** T.D. **CASING SIZE** AMOUNT ORDERED 150 1565 1.7e 4 DEPTH 14#Flo-scob, 235 sks Aso (# Gifsonite 2/6gel Stoffeis was 14th Deform or 19Flo-sect GOOSKS LITE YAFlo-sect SOSKS ASC **TÚBING SIZE** DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX **MINIMUM** COMMON\_ MEAS. LINE SHOE JOINT POZMIX CEMENT LEFT IN CSG. 43,60 GEL @ TOP PERFS. Botton **CHLORIDE** ASC\_285 545 @23,50 6697,50 DISPLACEMENT 132,48 @ 19-88 10934,00 Lite 5505/F **EQUIPMENT** 2234 Flo-seal @219° CEMENTER PUMP TRUCK 23/07 G. Sonite @ ·98 #495-281 HELPER FORCE Flyid Lose @ *18i90* **BULK TRUCK** 291. DRIVER DeFormer @350 \_ 133.00 BULK TRUCK @ 225,00 2200,00 ic succer HANDLING 1029.63 C4/F1 @ 2.48 MILEAGE 2,25 Jon/mile 42,2786 ton TOTAL 26,090 61 · material REMARKS: mp 12 BOLLC SPOCET. Mix 1503K5 Life 235 shs ASC wash pump and line alcan Displace Plug. 1200 Holift 1600 Land Plugs Plus landed Float held, OPEN DV 1006 900 #, Plug MH20865 RH30565 DEPTH OF JOB PUMP TRUCK CHÂRGE 3099.25 24/25 Mix wite Followed by Asce wash prem EXTRA FOOTAGE and line clean, Displace 1000#Lift Known Land Phag. Tool closed, Coment 231.00 MILEAGE 30 miles MANIFOLD Lead @ 275,00 Did circulate. @4.40 Lightwehicle Thank 304 Waiting Time 4 hrs @440,00 1760,00 2 hrs CHARGETO: Berekeo TOTAL 13,710,89 STATE PLUG & FLOAT EQUIPMENT Float Shoe 545,00 Latch Josep Plug ASY @. 40,00 3335 ea To: Allied Oil & Gas Services, LLC. @395,00 1580,00 @57,00 189,00 13958 eTS You are hereby requested to rent cementing equipment 12 cent ralizers and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was CO. POR , S JATOT done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES PRINTED NAME TO IF PAID IN 30 DAYS

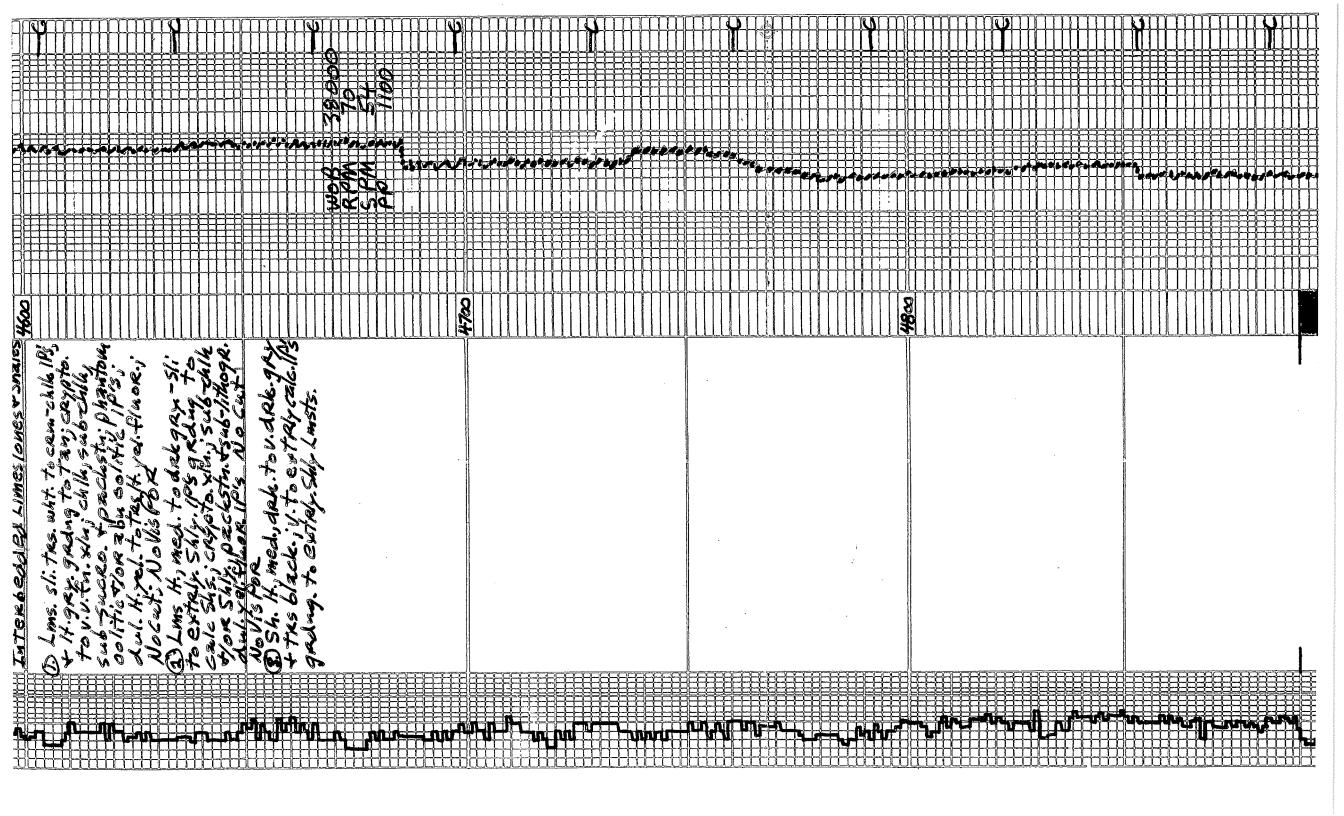


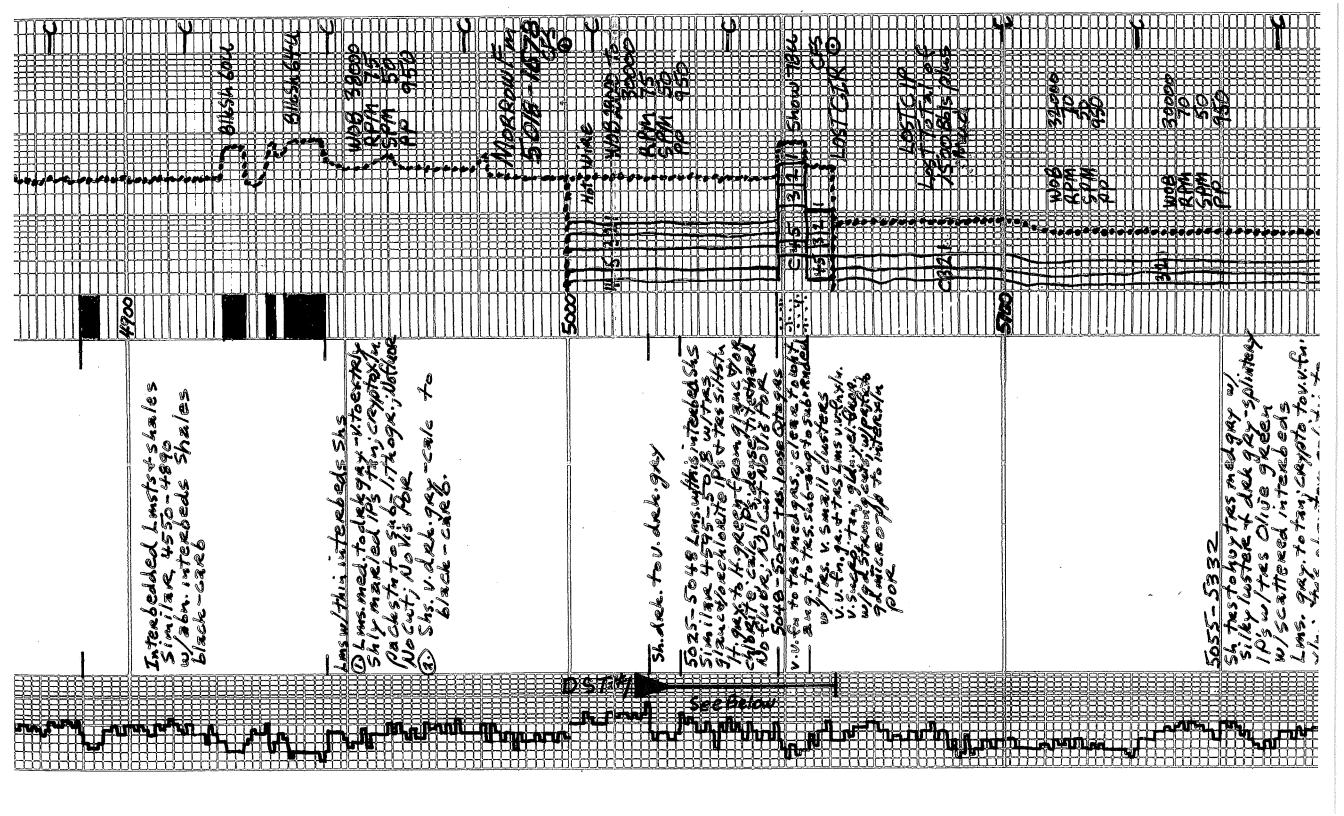


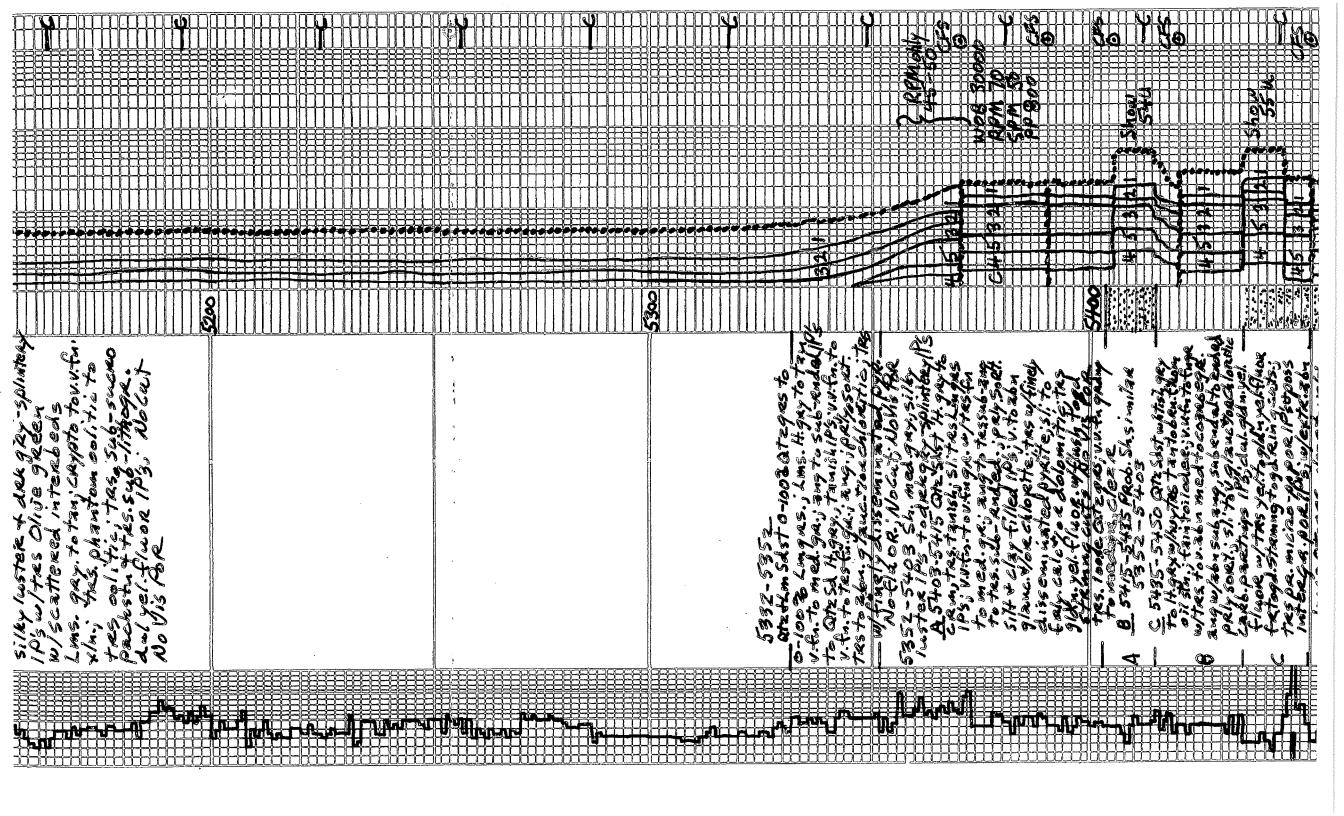
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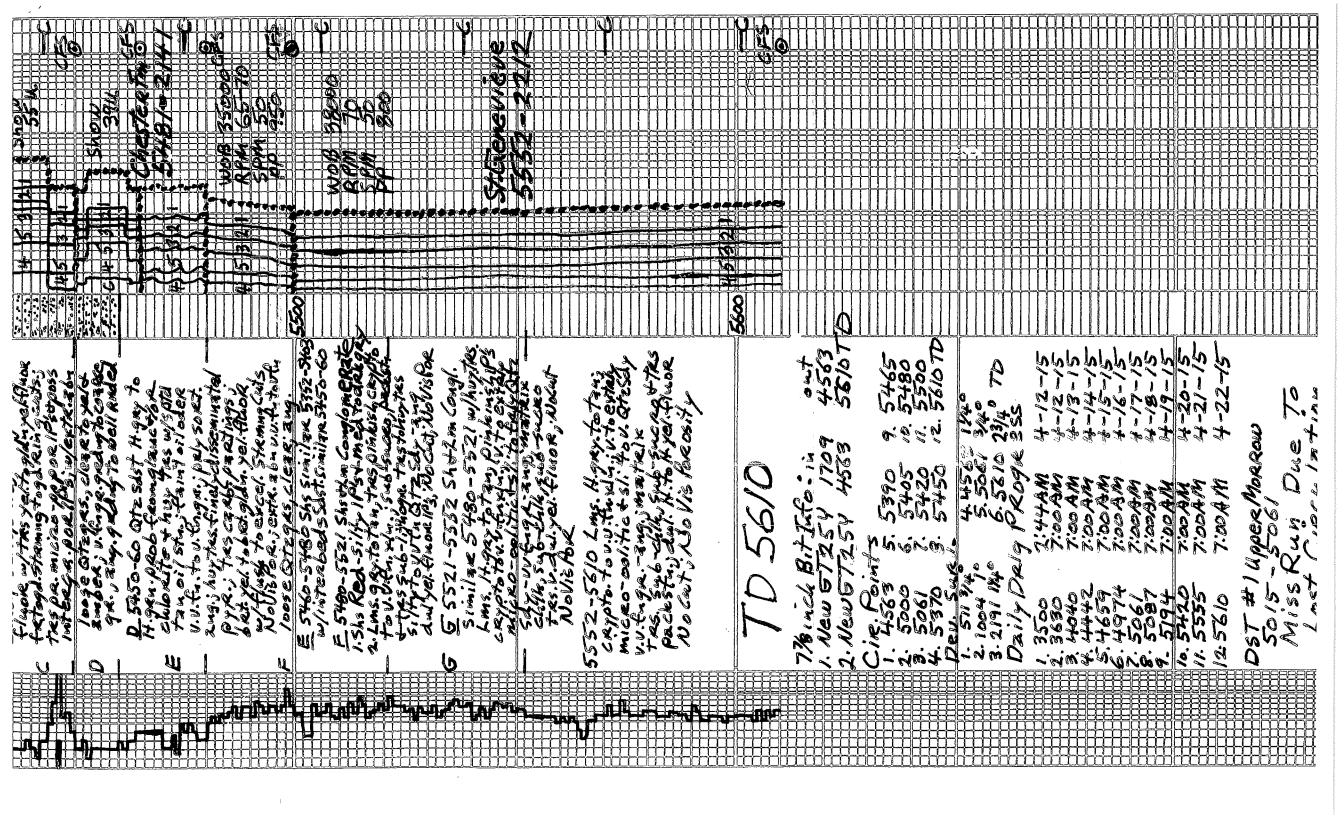
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GWG. 4/4 #200/FEL State TWP. 295 335'FSL Stanton 3 CCC+ -7 80°. OPERATOR BEREXCOLLERSE AKNELE UNTELEVATION 3340KB BTD