

District I *

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

RECEIVED

Form C-101

May 27, 2004

SEP 23 2005

Oil Conservation Division

Submit to appropriate District Office

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address MARBOB ENERGY CORPORATION PO BOX 227, ARTESIA, NM 88211-0227		² OGRID Number 14049
		³ API Number 30-015-20348
⁴ Property Code 26661	⁵ Property Name PANAGRA COM	⁶ Well No. 1
⁹ Proposed Pool 1 Wildcat; WOLFCAMP, S...		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	11	23S	26E		990	NORTH	1980	EAST	EDDY

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3268.5' GL
¹⁶ Multiple N	¹⁷ Proposed Depth 12170'	¹⁸ Formation MORROW	¹⁹ Contractor	²⁰ Spud Date 11/14/70
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic ☐ _____ mils thick Clay ☐ Pit Volume: _____ bbls Drilling Method: _____ Closed-Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

EXISTING

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	54#	350'	200 SX	
12 1/4"	8 5/8"	32#	5400'	3020 SX	
7 7/8"	5 1/2"	17 & 20#	12140'	1290 SX	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

RECOMPLETE TO THE WOLFCAMP AS FOLLOWS:

SET CMT RETAINER @ 10250'. SQZ BELOW RETAINER W/ 50 SX "H" CMT + 100-150 SX "H" NEAT. PERF THE WOLFCAMP @ 9634' - 10012' (20 SHOTS). ACDZ W/ 5000 GAL NEFE 15% HCL ACID. SWAB/FLOW TEST.

SEE ATTACHED SCHEMATICS.

If an earthen pit(s) will be utilized in association with this work, a permit must be obtained prior to pit construction.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Printed name: DIANA J. BRIGGS
Title: PRODUCTION ANALYST
E-mail Address: PRODUCTION@MARBOB.COM

Date: 9/21/05 Phone: (505) 748-3303

OIL CONSERVATION DIVISION

Approved by:

Approval Date: OCT 01 2005

Expiration Date: OCT 01 2006

Conditions of Approval Attached ☐

Well: Panagra 1

Zero: 14.5' AGL

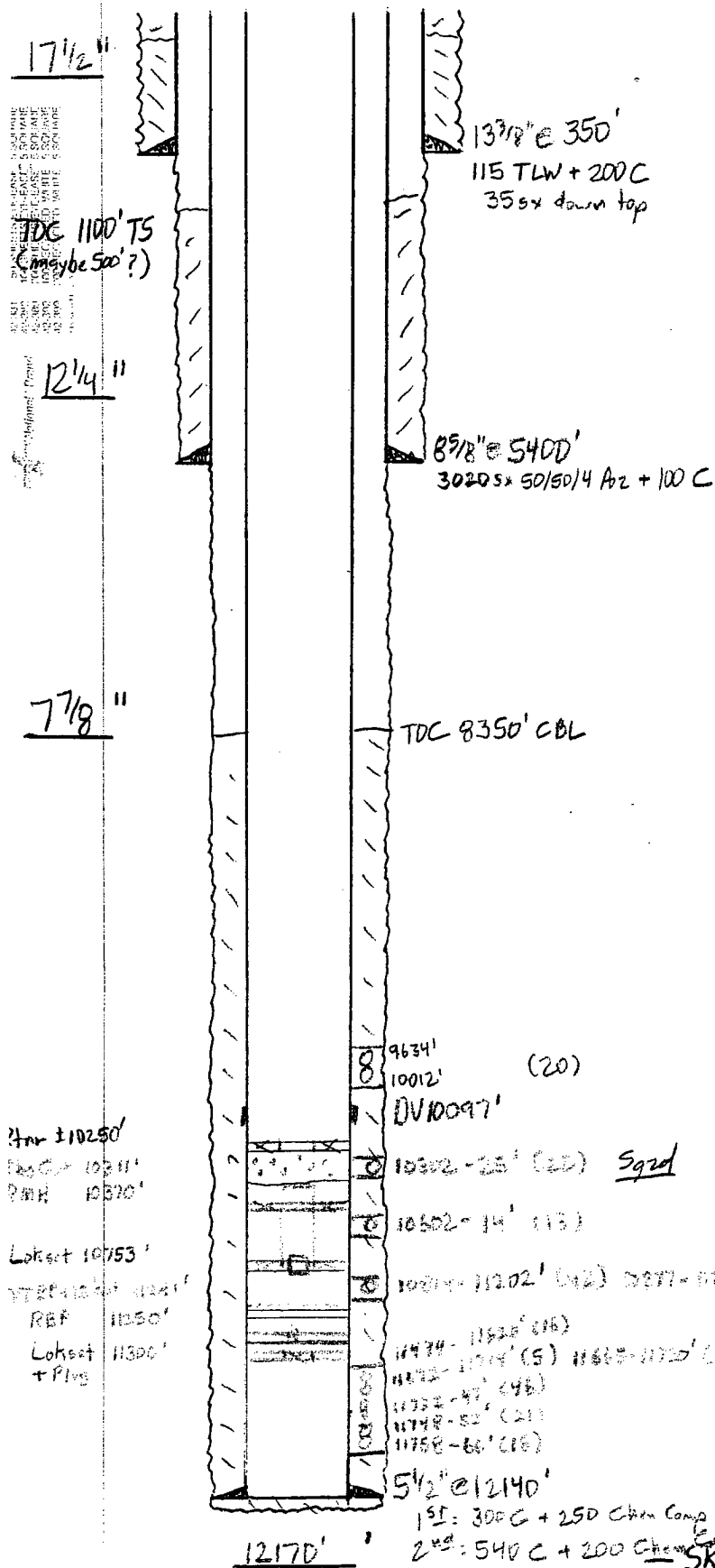
Location: 990' FNL, 1980' FEL
B-11-235-26e
Eddy, NM

KB: 3283'
 GL: 3268.5'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
13 3/8"	54.5	H40	STC	350'
8 5/8"	32	K55	STC	5400'
5 1/2"	20	N80	LTC	1296'
5 1/2"	17	N80	LTC	9690'
5 1/2"	20	N80	LTC	12140'
2 3/8"	4.7	N80	EVE	

DST #1 11032-75'
 #2 10595-11075'
 #3 11485-549'
 #4 11600-750'
 #5 11726-750'
 #6 11874-12052'



Wolfcamp

AFTER

Cisco

Stem

Atoka

Minn

Sketch Not To Scale -

KBCollins / 7 May 01

Well: Panagra 1

Zero: 14.5' AGL

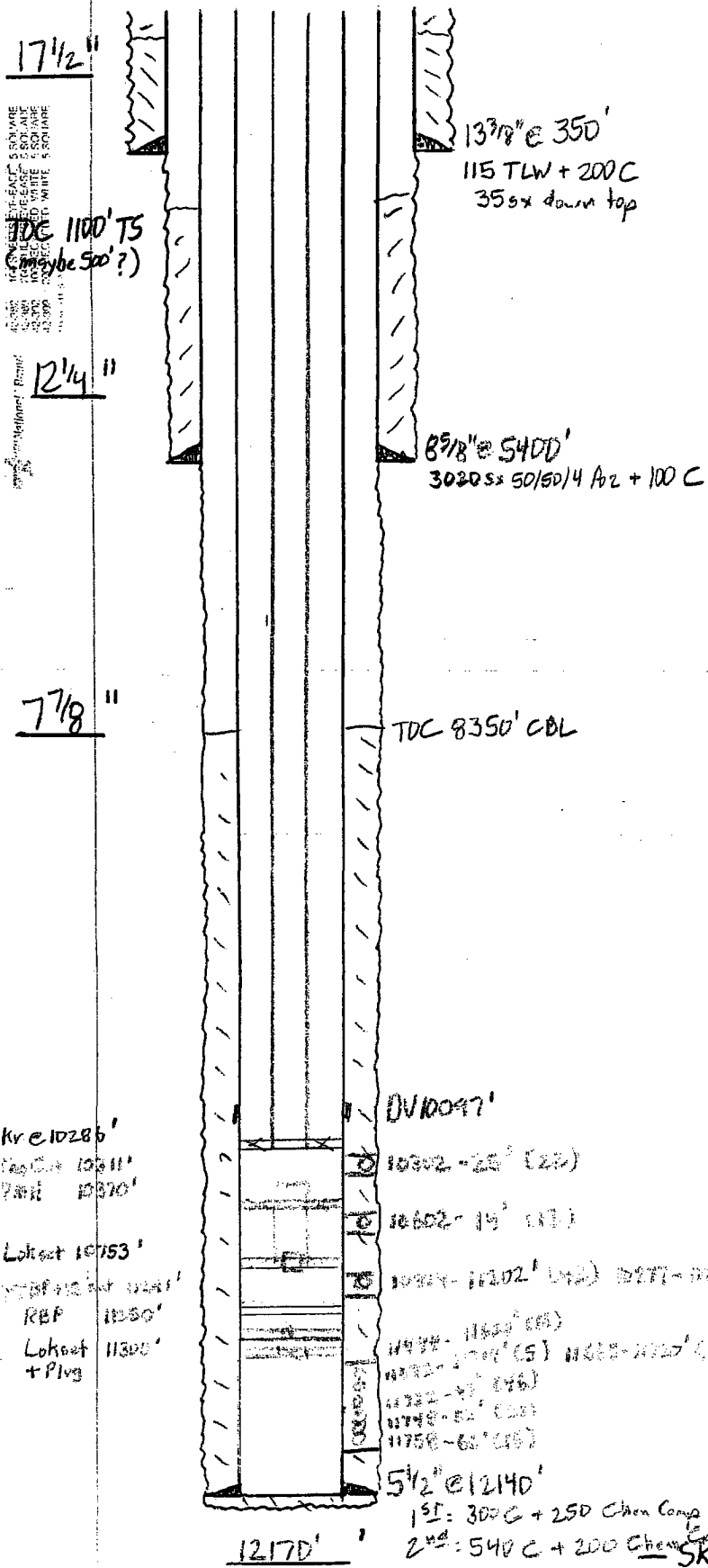
Location: 990' FNL, 1980' FEL
B-11-235-2be
Eddy, NM

KB: 3283'
GL: 3268.5'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
13 3/8"	54.5	H40	STC	350'
8 5/8"	32	K55	STC	5400'
5 1/2"	20	N80	LTC	1286'
5 1/2"	17	N80	LTC	9690'
5 1/2"	20	N80	LTC	12140'
2 3/8"	4.7	N80	EVE	10286'

DST #1 11032-75'
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#5 11726-750'
#6 11874-12052'



BEFORE

Cisco

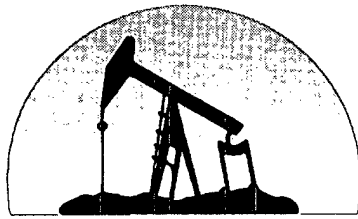
Sho-in

Alaska

Alaska

Sketch Not To Scale -

KBCollins / 7 May 01



marbob
energy corporation

September 23, 2005

Oil Conservation Division
1301 W. Grand Ave.
Artesia, NM 88210

Attention: Bryan Arrant

Re: Panagra Com #1
990' FNL & 1980' FEL
Section 11, T23S, R26E
Eddy County, New Mexico

Dear Bryan:

Marbob Energy Corporation plans to recompleting this well in the Wolfcamp formation and we don't anticipate encountering any H2S gas during the recompletion process. Therefore, we do not believe that an H2S contingency plan is necessary.

If you have questions or need further information, please call.

Sincerely,

Diana Briggs
Production Analyst

DB/mp

**Panagra 1
B-11-23S-26E
Eddy Co., NM**

**Recompletion Procedure
21 Sept 05**

Objective: Recomplete to the Wolfcamp.

Procedure:

1. Kill well if/as necessary, NU BOP, test annulus to 1000 psi and POOH with tubing, laying down if/as necessary. May need to replace tubing or use a work string if existing tubing is corroded or badly scaled up. If annulus doesn't test, decision might be made to isolate and possibly repair casing leaks before continuing with this procedure.
2. RU lubricator, GR/CCL log from 10300' to 8200', run gauge ring to 10300' and set cement retainer at 10250'.
3. RIH with stinger, latch into retainer, test annulus to 1000 psi, establish injection rate and squeeze below retainer with 50 sx. "H" with low fluid loss followed by 100-150 sx "H" neat. When squeeze obtained, sting out, reverse tubing clean and TOOH.
4. RU lubricator and perf the Wolfcamp with 1 spf at any phasing at the depths shown below using a 3-3/8" or 4" casing gun.

Wolfcamp : 9634', 9645', 9664', 9707', 9710', 9712', 9716', 9737', 9784', 9842',
9888', 9894', 9898', 9902', 9906', 9908', 9913', 9958', 9961', 10012' (20 shots)

5. RIH with packer assembly to approx. 9600', space out, set packer, test annulus to 1000 psi, tree up, swab tubing dry, install tree saver and acidize with 5000 gals. NE Fe 15% HCl inhibited for 165 deg F at 3-5 bpm while limiting treating pressure to 8500 psi and holding 1000 psi on annulus. Drop 60 balls spaced through job. Swab/flow test.

Additional Procedures Will Be Issued If/As Necessary

Kbc/panagra 1 wc

Well: Panagra 1

Zero: 14.5' AGL

Location: 990' FNL, 1980' FEL
B-11-23 s-2be
Eddy, NM

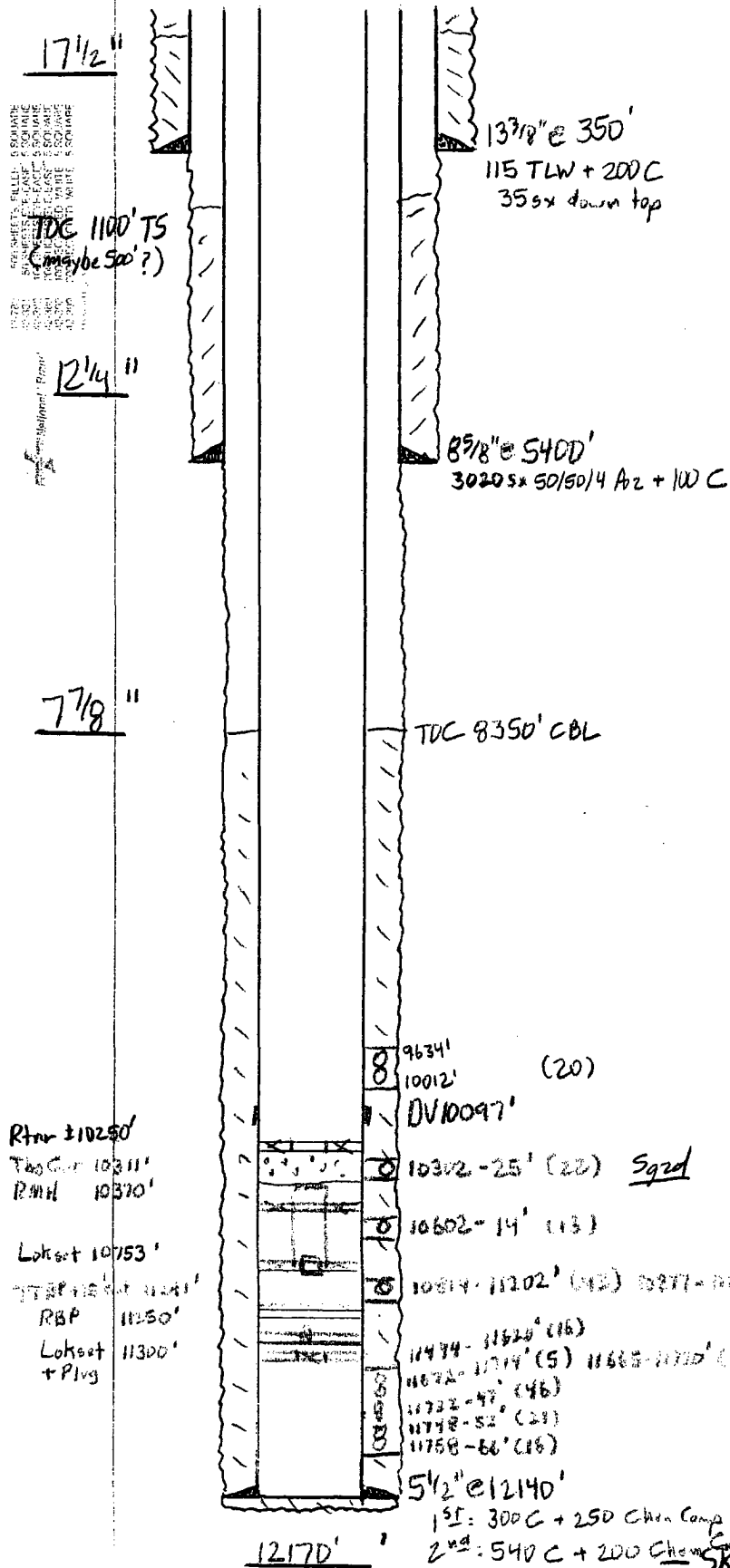
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Wolfcay AFTER

Cisco

Stm m

Atoka

Mern

KBCollins / 7 May 01

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B-11-23 s-2be
Eddy, NM

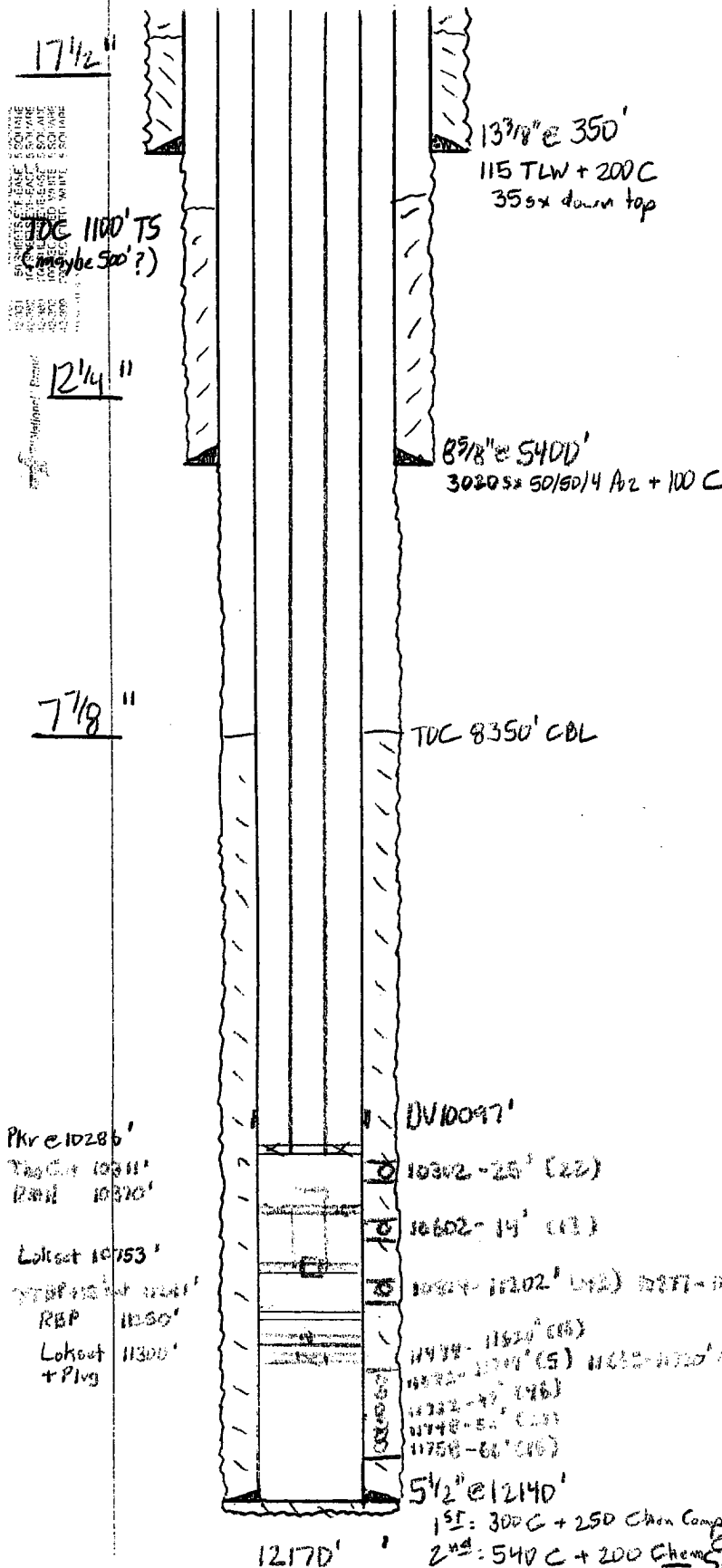
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BEFORE

Cisco

Shaw

Atoka

Alton

PKR 10286'

Top of 10311'
 Pail 10370'

Lokout 10753'

Proprietary well

RBP 11050'

Lokout 11300'
 + Plug