

DATE 9.30.11 SUSPENSE ENGINEER WVS LOGGED 9.30.11 TYPE SWD APP NO. 1127232671

ABOVE THIS LINE FOR DIVISION USE ONLY

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

(1) TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☒ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

(3) SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

(4) CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name
 Paul C. Thompson

Signature
 Paul C. Thompson

Title
 AGENT

Date
 9/29/11

e-mail Address
 PAUL@WALSHENG.NET

Phone - 505-377-4892

PTGW

Coulhurst-5337

Erin #2

30-043-20862

Sandoval
 Fedoval

C-33-18N-3W

R-2975
 Go-Tech shows
 No reported injection
 only real reported
 oil production according
 to Go-Tech is
 The Ervin #2

R-2975
 Oct 6, 1965
 bruted the water
 Flood. However
 I'm thinking the
 water flood was
 never active

Please Sand
 injection
 production
 plots of
 the water flood
 from Day 1
 is active?

Warnell, Terry G, EMNRD

From: Warnell, Terry G, EMNRD
Sent: Thursday, September 29, 2011 9:03 AM
To: 'paul@walsheng.net'
Subject: FW: Administrative Application Checklist Needed

Hello Paul;

OCD received your C108 for Erin #3 & Erin #9

However, we still need a signed Administrative Application Checklist before it can be logged into the OCD data base

<http://www.emnrd.state.nm.us/OCD/documents/admnapp.pdf>

Thanks,

Terry Warnell
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3466 ~ Fax 505.476.3462

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

INJECTION WELL DATA SHEET

OPERATOR: Coulthurst Management & Investments, Inc., LLCWELL NAME & NUMBER: Erin #2WELL LOCATION: 990' FNL & 2310' FWL, Unit C, Section 33, T18N, R3W
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 10 - 5/8" Casing Size: 8 - 5/8" at 81' _____Cemented with: 35 _____ sx. or _____ ft³Top of Cement: Surface Method Determined: Visual _____Intermediate Casing

Hole Size: _____ Casing Size: _____

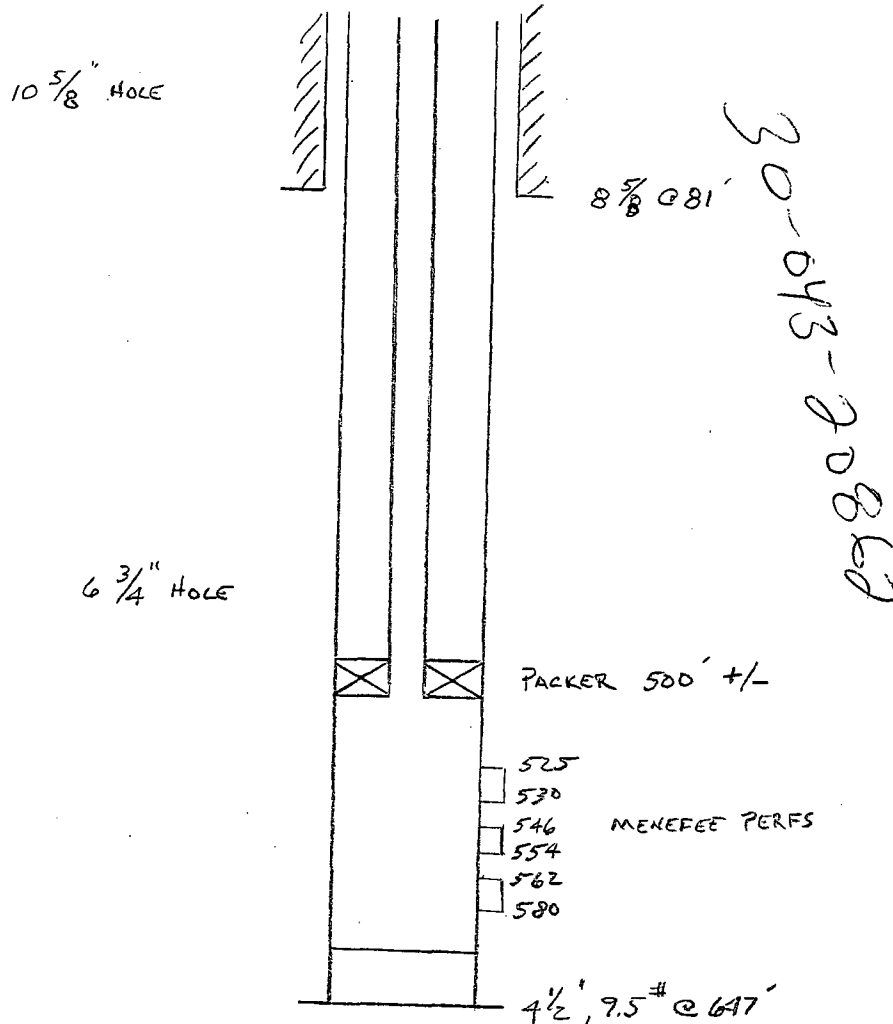
Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production CasingHole Size: 6-3/4" Casing Size: 4-1/2" _____Cemented with: 120 _____ sx. or _____ ft³Top of Cement: Surface Method Determined: Visual _____Total Depth: 647' _____Injection Interval

_____ 525' _____ feet to _____ 580' perforated _____

(Perforated or Open Hole; indicate which)



Coulthurst Management Investments, Inc., LLC

Erin #2 Injection Well

C 108 Data Sheet

V. See Attached Map

VI. See Attached Tabulation Sheet

VII. Operation Data

1. A. Average Daily Injection Rate = 60 bbls
Maximum Daily Injection Rate = 100 bbls
B. Proposed Volume 150,000 bbls
2. The system is closed
3. Proposed Pressures
A. Average and maximum injection pressures will be 50 psi until a step/rate test is completed.
4. Source of Injection Fluid *30-043-20939*
A. Erin #9 (B Sec. 33, T18N, R3W) and the Erin #3 (F Sec. 33, T18N, R3W). Both wells are Menefee completions so the waters should be compatible. *30-043-20860*
5. Not Applicable

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VIII. Geology

The reservoir is a series of sand bars or near shore marine deposition intermingled with shales all of which seem to have been affected by stream bed arrangement in the immediate area. There are no known domestic water wells within on mile of the proposed injection well (Office of the State Engineer). All of the proposed injection water, and the in-situ water in the Erin #2, has been tested at less than 10,000 TDS.

- IX. No stimulation in the Erin #2 is anticipated.
- X. Well logs are on file with the NMOCD.
- XI. Analysis of the San Luis Water Well #1 is attached
- XII. Not Applicable
- XIII. See attached certified mail receipts.

Well Tabulation Sheet

Wells Within One-Half Mile of Erin #2

Unit	Section	Operator	Well	Location N - S	E - W	Spud Date	GL Elev.	Casing Surface	Production	T.D.	Status
O	28	Coulthurst Mgmt & Inv., Inc	Jenny #1	990/S	2310/E	9/10/1993	6507	8-5/8" @ ?	4-1/2" @ 614'	763'	P&A
N	28	Three Forks Resources	George #1	1069/S	2182/W	4/6/2006	6552	9-5/8" @ 127'	4-1/2" @ 860'	865'	Producing
A	33	Noel Reynolds	Ann #1	326/N	1086/E	8/30/1965	6520		2-7/8" @ 620'	1010'	P&A
A	33	Noel Reynolds	Ann #2	354/N	420/E	9/5/1965	6520		2-7/8" @ 472'	550'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Ann #3	902/N	576/E	10/2/1963	6488	8-5/8" @ 30'	5-1/2" @ 347'	430'	P&A
A	33	Noel Reynolds	Ann #4	1029/N	1020/E	9/22/1965	6474		2-7/8" @ 400'	430'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Ann #5	994/N	321/E	9/12/1965	6507		4-1/2" @ 440'	450'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Ann #6	694/N	667/E	9/26/1965	6503		2-7/8" @ 442'	450'	P&A
A	33	Noel Reynolds	Ann #9	1301/N	824/E	10/9/1965	6474		2-7/8" @ 445'	550'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Ann #15	1029/N	1016/E	6/27/1976	6474		5-9/16" @ 330'	362'	P&A
A	33	Entrada Corp.	Federal #1-33	990/N	990/E	11/3/1957	6460	16" @ 30'		880'	P&A
A	33	Entrada Corp.	Federal #2-33	990/N	915/E	6/15/1958	6464	8-5/8" @ 21'		401'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Water Well #1	1224/N	968/E	9/XX/65	6467	7" @ ??	4-1/2" @ 800'	1001'	
B	33	Noel Reynolds	Ann #10	665/N	1652/E	10/18/1965	6478		2-7/8" @ 450'	450'	P&A
B	33	Ellsberry, et.al.	Ann #17	621/N	1988/E	6/22/1976	6470		5-9/16" @ 320'	360'	P&A
B	33	Arwood H Stowe	Ann #18	655/N	1662/E	2/12/1977	6478		5-9/16" @ 310'	387'	P&A
B	33	Coulthurst Mgmt & Inv., Inc	Erin #9	990/N	2310/E	8/13/1996	6474	8-5/8" @ 120'	4-1/2" @ 1006'	1010'	Producing
B	33	Arwood H Stowe RADCO OIL CO.	Ann #14 Ann #16	660/N 605/N	1980/E 1592/E	7/28/1967 12/5/80	6459 6478	8-5/8" @ 100' —	—	3382' 650'	P&A
C	33	Coulthurst Mgmt & Inv., Inc	Erin #1	990/N	1650/W	11/8/1991	6493	8-5/8" @ 40'	4-1/2" @ 736'	750'	P&A
C	33	Noel Reynolds	Ann #19	660/N	2030/W	12/8/1987	6459	7" @ 34'	4-1/2" @ 604'	605'	P&A
F	33	Coulthurst Mgmt & Inv., Inc	Erin #4	1650/N	2310/W	7/18/1992	6437	8-5/8" @ 78'	4-1/2" @ 708'	720'	P&A
F	33	Coulthurst Mgmt & Inv., Inc	Erin #3	1650/N	1650/W	10/5/1992	6463	8-5/8" @ 80'	4-1/2" @ 660'	660'	Producing
G	33	Noel Reynolds	Ann #11	1376/N	1580/E	?	6480			1010'	
G	33	J.I. Harvey	Federal #2	1650/N	1650/E	9/29/1959	6590	6-1/2" @ 30'		820'	
G	33	Arwood H Stowe	Ann #13	2619/N	1902/E		6440		4-1/2" @ 450'	500'	
H	33	Coulthurst Mgmt & Inv., Inc	Darla #1 ✓	1670/N	1014/E	10/15/1979	6604	8-5/8" @ 30'	5-1/2" @ 330'	353'	P&A
H	33	Noel Reynolds	Darla #3 ✓	2297/N	1154/E	9/20/1965	6461		2-7/8" @ 400'	450'	P&A
H	33	Coulthurst Mgmt & Inv., Inc	Darla #2	1750/N	1230/E				4" @ 453'		P&A
H	33	Coulthurst Mgmt & Inv., Inc	Darla #7	1347/N	1166/E	9/30/1965	6501		2-7/8" @ 432'	450'	P&A
H	33	Noel Reynolds	Darla #8 ✓	1980/N	649/E	11/18/1965	6439			410'	P&A
H	33	Coulthurst Mgmt & Inv., Inc	Darla #16	1765/N	1001/E	6/29/1976	6448		5-9/16" @ 260'	325'	P&A

COST WELLBORE

Well Tabulation Sheet

Wells Within One-Half Mile of Erin #2

Unit	Section	Operator	Well	Location N - S	E - W	Spud Date	GL Elev.	Casing Surface	Production	T.D.	Status
O	28	Coulthurst Mgmt & Inv., Inc	Jenny #1	990/S	2310/E	9/10/1993	6507	8-5/8" @ ?	4-1/2" @ 614'	763'	P&A
N	28	Three Forks Resources	George #1	1069/S	2182/W	4/6/2006	6552	9-5/8" @ 127'	4-1/2" @ 860'	865'	Producing
A	33	Noel Reynolds	Ann #1	326/N	1086/E	8/30/1965	6520		2-7/8" @ 620'	1010'	P&A
A	33	Noel Reynolds	Ann #2	354/N	420/E	9/5/1965	6520		2-7/8" @ 472'	550'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Ann #3	902/N	576/E	10/2/1963	6488	8-5/8" @ 30'	5-1/2" @ 347'	430'	P&A
A	33	Noel Reynolds	Ann #4	1029/N	1020/E	9/22/1965	6474		2-7/8" @ 400'	430'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Ann #5	994/N	321/E	9/12/1965	6507		4-1/2" @ 440'	450'	P&A
A	33	Coulthurst Mgmt & Inv., Inc	Ann #6	694/N	667/E	9/26/1965	6503		2-7/8" @ 442'	450'	P&A
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A	33	Coulthurst Mgmt & Inv., Inc	Ann #15	1029/N	1016/E	6/27/1976	6474		5-9/16" @ 330'	362'	P&A
A	33	Entrada Corp.	Federal #1-33	990/N	990/E	11/3/1957	6460	16" @ 30'		880'	P&A
A	33	Entrada Corp.	Federal #2-33	990/N	915/E	6/15/1958	6464	8-5/8" @ 21'		401'	P&A
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B	33	Noel Reynolds	Ann #10	665/N	1652/E	10/18/1965	6478		2-7/8" @ 450'	450'	P&A
B	33	Ellsberry, et.al.	Ann #17	621/N	1988/E	6/22/1976	6470		5-9/16" @ 320'	360'	P&A
B	33	Arwood-H-Stowe <i>Rader Oil Co.</i>	Ann #18	655/N	1662/E	2/12/1977	6478		5-9/16" @ 310'	387'	P&A
B	33	Coulthurst Mgmt & Inv., Inc	Erin #9	990/N	2310/E	8/13/1996	6474	8-5/8" @ 120'	4-1/2" @ 1006'	1010'	Producing
B	33	Rader Oil Co.	Ann #10R	605/N	1592/E	12/5/1984	6478			650'	P&A
C	33	Coulthurst Mgmt & Inv., Inc	Erin #1	990/N	1650/W	11/8/1991	6493	8-5/8" @ 40'	4-1/2" @ 736'	750'	P&A
C	33	Noel Reynolds	Ann #19	660/N	2030/W	12/8/1987	6459	7" @ 34'	4-1/2" @ 604'	605'	P&A
F	33	Coulthurst Mgmt & Inv., Inc	Erin #4	1650/N	2310/W	7/18/1992	6437	8-5/8" @ 78'	4-1/2" @ 708'	720'	P&A
F	33	Coulthurst Mgmt & Inv., Inc	Erin #3	1650/N	1650/W	10/5/1992	6463	8-5/8" @ 80'	4-1/2" @ 660'	660'	Producing
G	33	Noel Reynolds	Ann #11	1376/N	1580/E	?	6480			1010'	P&A
G	33	J.I. Harvey	Federal #2	1650/N	1650/E	9/29/1959	6590	6-1/2" @ 30'		820'	P&A
G	33	Arwood H Stowe	Ann #13	2619/N	1902/E		6440		4-1/2" @ 450'	500'	P&A
H	33	Coulthurst Mgmt & Inv., Inc	Darla #1	1670/N	1014/E	10/15/1979	6604	8-5/8" @ 30'	5-1/2" @ 330'	353'	P&A
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H	33	Coulthurst Mgmt & Inv., Inc	Darla #2	1750/N	1230/E	6/29/1983	6450	7" @ 31'	4" @ 453'	453'	P&A
H	33	Coulthurst Mgmt & Inv., Inc	Darla #7	1347/N	1166/E	9/30/1965	6501		2-7/8" @ 432'	450'	P&A
H	33	Noel Reynolds	Darla #8	1986/N	649/E	11/18/1965	6439			410'	P&A
H	33	Coulthurst Mgmt & Inv., Inc	Darla #16	1765/N	1001/E	6/29/1976	6448		5-9/16" @ 260'	335'	P&A



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Sub basin	Use	County	Q Q Q							X	Y	Depth		
				64	16	4	Sec	Tws	Rng	Distance			Well	Water	Water
RG 43282 POD1	JMZ	CLS	SA	1	1	3	25	18N	03W	309062	3959528*	4730	12		
RG 38719		STK	SA	2	1	4	07	17N	02W	311581	3954655*	8180	451	192	259
RG 35831		STK	SA	3	3	4	34	19N	03W	306372	3966875	8490	350	225	125
RG 32989		DOM	SA	2	2	3	23	17N	04W	298232	3951693*	9283	380	40	340
RG 30621 POD1	MRG	STK	SA		4	2	01	18N	03W	310521	3966243*	9769	303	140	163

Average Depth to Water: **149 feet**

Minimum Depth: **40 feet**

Maximum Depth: **225 feet**

Record Count: 5

Basin/County Search:

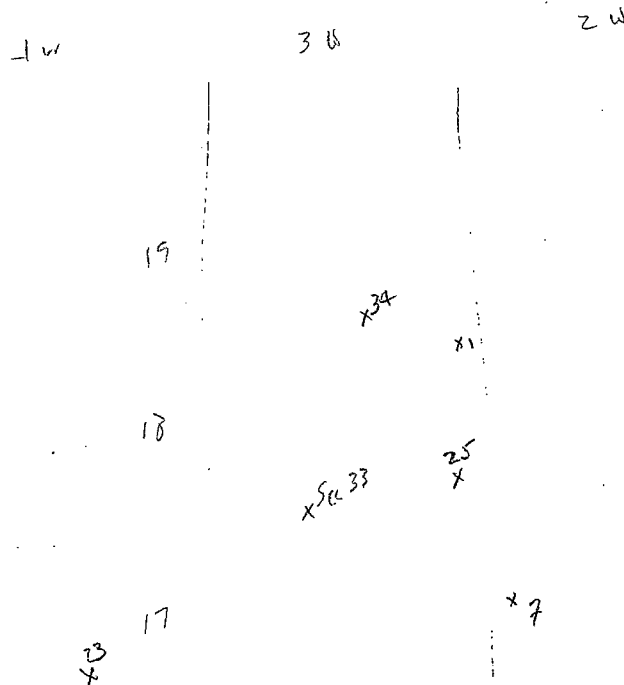
County: Sandoval

UTMNAD83 Radius Search (in meters):

Easting (X): 304421

Northing (Y): 3958612

Radius: 10000



*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NENW, 33, 18N, 3W Sandoval Co	Date Reported:	07-14-11
Laboratory Number:	58911	Date Sampled:	
Chain of Custody No:	12164	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Extracted:	07-13-11
Preservative:	Cool	Date Analyzed:	07-13-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	0.5	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.5	0.1

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Erin #2

Analyst

Review

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SUBJECT WELL



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0713TBLK QA/QC	Date Reported:	07-14-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-13-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	1.0000E+000	9.9800E-001	0.20%	0 - 15%
Diesel Range C10 - C28	9.9372E-001	9.9173E-001	0.20%	0 - 15%

Blank Conc. (mg/L)	Concentration	Detection Limit
Gasoline Range C5 - C10	3.7	0.2
Diesel Range C10 - C28	7.9	0.1

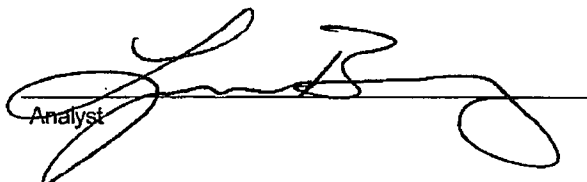
Duplicate Conc. (mg/L)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	0.3	0.3	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

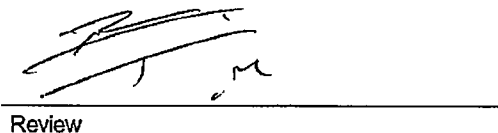
Spike Conc. (mg/L)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.3	25.0	24.8	98.0%	75 - 125%
Diesel Range C10 - C28	ND	25.0	24.8	99.2%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 58909-58912

Analyst 

Review 



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NENW 33, 18N, 3W Sandoval Co	Date Reported:	07-15-11
Chain of Custody:	12164	Date Sampled:	
Laboratory Number:	58911	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Analyzed:	07-14-11
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	7.2	1	0.2
Toluene	24.0	1	0.2
Ethylbenzene	37.1	1	0.2
p,m-Xylene	159	1	0.2
o-Xylene	74.7	1	0.1

Total BTEX **302**

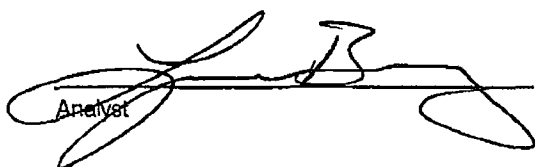
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	88.0 %
	1,4-difluorobenzene	94.0 %
	4-bromochlorobenzene	104 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **Erin #2**


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	07148BLK QA/QC	Date Reported:	07-15-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Aqueous	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-14-11
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	2.9392E+006	2.9480E+006	0.3%	ND	0.2
Toluene	2.9994E+006	3.0084E+006	0.3%	ND	0.2
Ethylbenzene	2.6453E+006	2.6532E+006	0.3%	ND	0.2
p,m-Xylene	7.0148E+006	7.0359E+006	0.3%	ND	0.2
o-Xylene	2.4121E+006	2.4193E+006	0.3%	ND	0.1

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	6.9	7.1	3.7%	0 - 30%
Toluene	5.2	5.7	9.4%	0 - 30%
Ethylbenzene	30.2	28.9	4.1%	0 - 30%
p,m-Xylene	87.3	83.9	3.9%	0 - 30%
o-Xylene	55.8	52.7	5.6%	0 - 30%

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	6.9	50.0	59.9	105%	39 - 150
Toluene	5.2	50.0	53.7	97.2%	46 - 148
Ethylbenzene	30.2	50.0	85.6	107%	32 - 160
p,m-Xylene	87.3	100	140	74.8%	46 - 148
o-Xylene	55.8	50.0	104	98.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 58909-58912

Analyst

Review

Chloride

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NENW 33, 18N, 3W Sandoval Co	Date Reported:	07/13/11
Lab ID#:	58911	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12164

Parameter	Concentration (mg/L)
Total Chloride	10

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Erin #2**


Analyst
Review

Water Analysis

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NENW 33, 18N, 3W Sandoval Co	Date Reported:	07/15/11
Laboratory Number:	58911	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12164

Parameter	Analytical Result	Units
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Total Dissolved Solids @ 180C	1,370	mg/L
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Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Erin #2**


Analyst
Review

CHAIN OF CUSTODY RECORD

12164

Client: Coulthurst Mgmt			Project Name / Location: Erin #2			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: Phillip Montoya			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCPLP with H/P	PAH	TPH (418.1)	CHLORIDE	TDS	Sample Cool	Sample Intact	
Client Phone No.:			Client No.: 06027-0002																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative													
NENW 33, 12N, 3W Sandoval Co			58911	Soil Sludge	2	J	X	X											
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
Relinquished by: (Signature) Phillip Montoya					Date	Time	Received by: (Signature) Sandi Vaguera					Date	Time						
Relinquished by: (Signature)							Received by: (Signature)												
Relinquished by: (Signature)							Received by: (Signature)												



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**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF081171K SENW33, 18N,3W	Date Reported:	07-14-11
Laboratory Number:	58909	Date Sampled:	
Chain of Custody No:	12162	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Extracted:	07-13-11
Preservative:	Cool	Date Analyzed:	07-13-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.3	0.1

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Erin #3

Analyst

Review

Supply well

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EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0713BLK QA/QC	Date Reported:	07-14-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-13-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	1.0000E+000	9.9800E-001	0.20%	0 - 15%
Diesel Range C10 - C28	9.9372E-001	9.9173E-001	0.20%	0 - 15%

Blank Conc. (mg/L)	Concentration	Detection Limit
Gasoline Range C5 - C10	3.7	0.2
Diesel Range C10 - C28	7.9	0.1

Duplicate Conc. (mg/L)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	0.3	0.3	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/L)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.3	25.0	24.8	98.0%	75 - 125%
Diesel Range C10 - C28	ND	25.0	24.8	99.2%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 58909-58912

Analyst

Review

**EPA METHOD 8021
 AROMATIC VOLATILE ORGANICS**

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF 081171K SENW33, 18N,3W	Date Reported:	07-15-11
Chain of Custody:	12162	Date Sampled:	
Laboratory Number:	58909	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Analyzed:	07-14-11
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	6.9	1	0.2
Toluene	5.2	1	0.2
Ethylbenzene	30.2	1	0.2
p,m-Xylene	87.3	1	0.2
o-Xylene	55.8	1	0.1

Total BTEX **185**

ND - Parameter not detected at the stated detection limit.

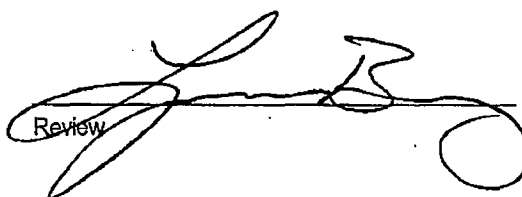
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	90.3 %
	1,4-difluorobenzene	94.3 %
	4-bromochlorobenzene	94.5 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Erin #3


 Analyst


 Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	0714BBLK QA/QC	Date Reported:	07-15-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Aqueous	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-14-11
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	2.9392E+006	2.9480E+006	0.3%	ND	0.2
Toluene	2.9994E+006	3.0084E+006	0.3%	ND	0.2
Ethylbenzene	2.6453E+006	2.6532E+006	0.3%	ND	0.2
p,m-Xylene	7.0148E+006	7.0359E+006	0.3%	ND	0.2
o-Xylene	2.4121E+006	2.4193E+006	0.3%	ND	0.1

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff	Accept Limit
Benzene	6.9	7.1	3.7%	0 - 30%
Toluene	5.2	5.7	9.4%	0 - 30%
Ethylbenzene	30.2	28.9	4.1%	0 - 30%
p,m-Xylene	87.3	83.9	3.9%	0 - 30%
o-Xylene	55.8	52.7	5.6%	0 - 30%

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	6.9	50.0	59.9	105%	39 - 150
Toluene	5.2	50.0	53.7	97.2%	46 - 148
Ethylbenzene	30.2	50.0	85.6	107%	32 - 160
p,m-Xylene	87.3	100	140	74.8%	46 - 148
o-Xylene	55.8	50.0	104	98.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 58909-58912

Analyst

Review



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Chloride

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF081171K SENW 33, 18N,, 3W	Date Reported:	07/13/11
Lab ID#:	58909	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12162

Parameter	Concentration (mg/L)
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Total Chloride

30

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Erin #3**



Analyst



Review



Water Analysis

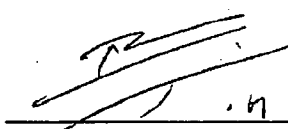
Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF 081171K SENW 33, 18N,,3W	Date Reported:	07/15/11
Laboratory Number:	58909	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12162

Parameter	Analytical Result	Units
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Total Dissolved Solids @ 180C	1,390	mg/L
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Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Erin #3



Analyst



Review

CHAIN OF CUSTODY RECORD

12162

Client: Caulthurst Mgmt			Project Name / Location: Erin #3			ANALYSIS / PARAMETERS																
Client Address:			Sampler Name: Phillip Montoya																			
Client Phone No.:			Client No.: 06027-0002																			
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	TDS	Sample Cool	Sample Intact	
NMSF081171K SENW33, 18N,, 3W			58909	Soil Solid Sludge Aqueous	2 jars				X	X								X	X		Y	Y
				Soil Solid		Sludge Aqueous																
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
Relinquished by: (Signature) Phillip Montoya				Date 7/12/11	Time 1:05	Received by: (Signature) Raul Vazquez				Date 7/12/11				Time 1:05								
Relinquished by: (Signature)						Received by: (Signature)																
Relinquished by: (Signature)						Received by: (Signature)																



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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	MWNE, 33, 18N, 3W NMSF-081171K	Date Reported:	07-14-11
Laboratory Number:	58910	Date Sampled:	
Chain of Custody No:	12163	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Extracted:	07-13-11
Preservative:	Cool	Date Analyzed:	07-13-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	0.8	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.8	0.1

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Erin #9

Analyst

Review

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**EPA Method 8015 Modified
 Nonhalogenated Volatile Organics
 Total Petroleum Hydrocarbons**

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0713TBLK QA/QC	Date Reported:	07-14-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-13-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	1.0000E+000	9.9800E-001	0.20%	0 - 15%
Diesel Range C10 - C28	9.9372E-001	9.9173E-001	0.20%	0 - 15%

Blank Conc. (mg/L)	Concentration	Detection Limit
Gasoline Range C5 - C10	3.7	0.2
Diesel Range C10 - C28	7.9	0.1

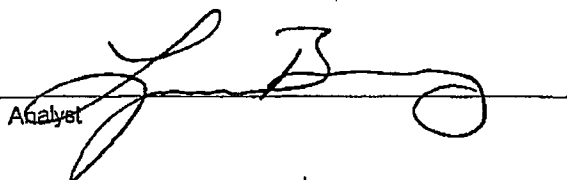
Duplicate Conc. (mg/L)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	0.3	0.3	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

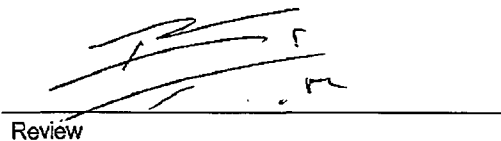
Spike Conc. (mg/L)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.3	25.0	24.8	98.0%	75 - 125%
Diesel Range C10 - C28	ND	25.0	24.8	99.2%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 58909-58912

Analyst 

Review 



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	MWNE, 33, 18N, 3W NMSF-081171K	Date Reported:	07-15-11
Chain of Custody:	12163	Date Sampled:	
Laboratory Number:	58910	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Analyzed:	07-14-11
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	8.4	1	0.2
Toluene	58.6	1	0.2
Ethylbenzene	53.8	1	0.2
p,m-Xylene	305	1	0.2
o-Xylene	112	1	0.1

Total BTEX 538

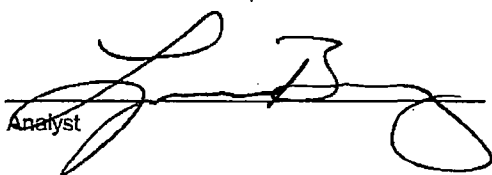
ND - Parameter not detected at the stated detection limit.

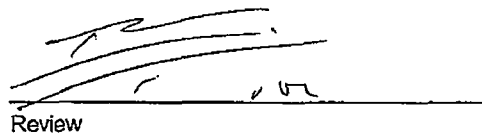
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	90.5 %
	1,4-difluorobenzene	91.9 %
	4-bromochlorobenzene	102 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Erin #9

Analyst 

Review 



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	0714BBLK QA/QC	Date Reported:	07-15-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Aqueous	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-14-11
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff:	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	2.9392E+006	2.9480E+006	0.3%	ND	0.2
Toluene	2.9994E+006	3.0084E+006	0.3%	ND	0.2
Ethylbenzene	2.6453E+006	2.6532E+006	0.3%	ND	0.2
p,m-Xylene	7.0148E+006	7.0359E+006	0.3%	ND	0.2
o-Xylene	2.4121E+006	2.4193E+006	0.3%	ND	0.1

Duplicate Conc: (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	6.9	7.1	3.7%	0 - 30%
Toluene	5.2	5.7	9.4%	0 - 30%
Ethylbenzene	30.2	28.9	4.1%	0 - 30%
p,m-Xylene	87.3	83.9	3.9%	0 - 30%
o-Xylene	55.8	52.7	5.6%	0 - 30%

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	6.9	50.0	59.9	105%	39 - 150
Toluene	5.2	50.0	53.7	97.2%	46 - 148
Ethylbenzene	30.2	50.0	85.6	107%	32 - 160
p,m-Xylene	87.3	100	140	74.8%	46 - 148
o-Xylene	55.8	50.0	104	98.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photolization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 58909-58912

Analyst

Review



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Chloride

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	MWNE.33, 18N 3W, NMSF-081171K	Date Reported:	07/13/11
Lab ID#:	58910	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12163

Parameter	Concentration (mg/L)
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Total Chloride

15

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Erin #9**

Analyst

Review

Water Analysis

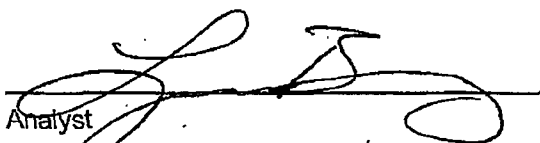
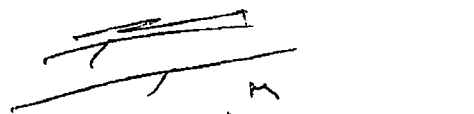
Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	MWNE, 33, 18N 3W, NMSF-081171K	Date Reported:	07/15/11
Laboratory Number:	58910	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12163

Parameter	Analytical Result	Units
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Total Dissolved Solids @ 180C**1,320**

mg/L

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Erin #9
Analyst
Review

CHAIN OF CUSTODY RECORD

12163

Client: Coulthurst Mgmt			Project Name / Location: Erin #9			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: Phillip Montoya			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	TDS	Sample Cool	Sample Intact	
Client Phone No.:			Client No.: 06027-0002																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative													
MWNE, 33, 18N 3W, NMSF -081171K			58910	Soil Sludge	2 jars														
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
				Soil Sludge															
				Solid Aqueous															
Relinquished by: (Signature) Phillip Montoya					Date	Time	Received by: (Signature) Randy Vazquez					Date	Time						
Relinquished by: (Signature)							Received by: (Signature)												
Relinquished by: (Signature)							Received by: (Signature)												



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**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF 081171K API 30-043-20887	Date Reported:	07-14-11
Laboratory Number:	58912	Date Sampled:	
Chain of Custody No:	12165	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Extracted:	07-13-11
Preservative:	Cool	Date Analyzed:	07-13-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

RECEIVED OCD
2011 SEP 28 A 11:20

Comments: **So. San Luis Water Well #1**

Analyst

Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0713TBLK QA/QC	Date Reported:	07-14-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-13-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	1.0000E+000	9.9800E-001	0.20%	0 - 15%
Diesel Range C10 - C28	9.9372E-001	9.9173E-001	0.20%	0 - 15%

Blank Conc. (mg/L)	Concentration	Detection Limit
Gasoline Range C5 - C10	3.7	0.2
Diesel Range C10 - C28	7.9	0.1

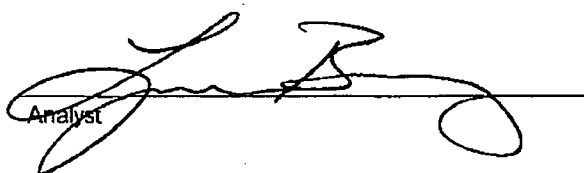
Duplicate Conc. (mg/L)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	0.3	0.3	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

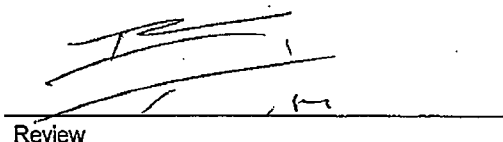
Spike Conc. (mg/L)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.3	25.0	24.8	98.0%	75 - 125%
Diesel Range C10 - C28	ND	25.0	24.8	99.2%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 58909-58912

Analyst 

Review 



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF 081171K API 30-043-20887	Date Reported:	07-15-11
Chain of Custody:	12165	Date Sampled:	
Laboratory Number:	58912	Date Received:	07-12-11
Sample Matrix:	Aqueous	Date Analyzed:	07-14-11
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	2.3	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	0.5	1	0.2
p,m-Xylene	1.4	1	0.2
o-Xylene	0.8	1	0.1

Total BTEX 5.0

ND - Parameter not detected at the stated detection limit.

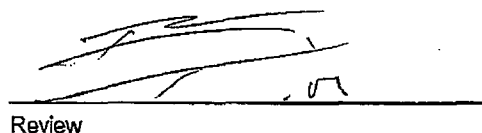
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	95.7 %
	1,4-difluorobenzene	101 %
	4-bromochlorobenzene	101 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: So. San Luis Water Well #1


Analyst


Review

**EPA METHOD 8021
 AROMATIC VOLATILE ORGANICS
 QUALITY ASSURANCE REPORT**

Client:	N/A	Project #:	N/A
Sample ID:	07148BLK QA/QC	Date Reported:	07-15-11
Laboratory Number:	58909	Date Sampled:	N/A
Sample Matrix:	Aqueous	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-14-11
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	2.9392E+006	2.9480E+006	0.3%	ND	0.2
Toluene	2.9994E+006	3.0084E+006	0.3%	ND	0.2
Ethylbenzene	2.6453E+006	2.6532E+006	0.3%	ND	0.2
p,m-Xylene	7.0148E+006	7.0359E+006	0.3%	ND	0.2
o-Xylene	2.4121E+006	2.4193E+006	0.3%	ND	0.1

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	6.9	7.1	3.7%	0 - 30%
Toluene	5.2	5.7	9.4%	0 - 30%
Ethylbenzene	30.2	28.9	4.1%	0 - 30%
p,m-Xylene	87.3	83.9	3.9%	0 - 30%
o-Xylene	55.8	52.7	5.6%	0 - 30%

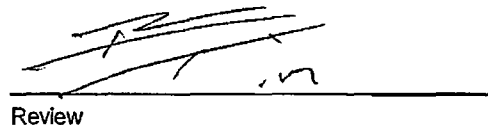
Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	6.9	50.0	59.9	105%	39 - 150
Toluene	5.2	50.0	53.7	97.2%	46 - 148
Ethylbenzene	30.2	50.0	85.6	107%	32 - 160
p,m-Xylene	87.3	100	140	74.8%	46 - 148
o-Xylene	55.8	50.0	104	98.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 58909-58912


 Analyst


 Review

Chloride

Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF 081171K API 30-043-20887	Date Reported:	07/13/11
Lab ID#:	58912	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12165

Parameter	Concentration (mg/L)
-----------	----------------------

Total Chloride**100**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **So. San Luis Water Well #1**


Analyst
Review

Water Analysis

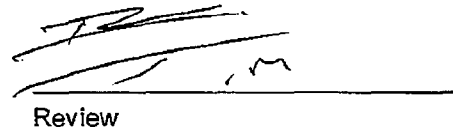
Client:	Coulthurst Mgmt	Project #:	06027-0002
Sample ID:	NMSF 081171K API 30-043-20887	Date Reported:	07/15/11
Laboratory Number:	58912	Date Sampled:	
Sample Matrix:	Aqueous	Date Received:	07/12/11
Preservative:	Cool	Date Analyzed:	07/13/11
Condition:	Intact	Chain of Custody:	12165

Parameter	Analytical Result	Units
-----------	-------------------	-------

Total Dissolved Solids @ 180C	1,830	mg/L
-------------------------------	-------	------

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **So. San Luis Water Well #1**


Analyst
Review

CHAIN OF CUSTODY RECORD

12165

Client: Caulthurst Mgmt			Project Name / Location: So. San Luis Water Well #1			ANALYSIS / PARAMETERS													
Client Address: Cuba, NM			Sampler Name: Phillip Montoya			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FCl	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	TDS	Sample Cool	Sample Intact	
Client Phone No.:			Client No.: 06027-0002																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FCl	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	TDS	Sample Cool	Sample Intact
NMSF 081171K			58912	Soil Sludge Solid <u>Aqueous</u>	2 Mason jars		X	X								X	X		Y
API 30-043-20887				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
				Soil Sludge Solid Aqueous															
Relinquished by: (Signature) Phillip Montoya				Date 7/12/11	Time 1:05	Received by: (Signature) Randi Vague				Date 7/12/11	Time 1:05								
Relinquished by: (Signature)						Received by: (Signature)													
Relinquished by: (Signature)						Received by: (Signature)													



5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

**WALSH**

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping7415 East Main
Farmington, New Mexico 87402
(505) 327-4892 • Fax: (505) 327-9834

September 13, 2011

CERTIFIED MAIL

Bureau of Land Management
1235 La Plata Hwy.
Farmington, NM 87401Re: Application for Authorization to Inject
Erin #2
900' FNL & 2310' FWL,
Section 33, T18N, R3W
Sandoval Co., NM

Dear Lease Operator,

Coulthurst Management and Investments, Inc., LLC has applied to the New Mexico Oil and Gas Conservation Division (NMOCD) for approval to inject produced water from offset producing Menefee wells into the Menefee interval in the Erin #2 well, for pressure maintenance purposes. You are being notified of this application pursuant to NMOCD rules.

The Erin #2 well, described above, is perforated in the South San Luis Menefee pool from 525' to 580'. The maximum expected injection pressure is 50 psi until a step – rate test can be completed and the maximum anticipated injection rate is 100 BPD.

If you have no objections to this application then no action is required on your part. If you would like to file an objection or request a hearing, please notify the NMOCD at 1220 South St. Francis Dr. Santa Fe, NM 87505 within 15 days of receipt of this notice. If you have any questions or need additional information, please call or write me at the letterhead address.

Sincerely,

Paul C. Thompson, P.E.

2011 SEP 28 AM 10:28
RECEIVED NMOCD

7415 East Main St.
Farmington, NM
87402



WALSH ENGINEERING & PRODUCTION CORP

BUREAU OF LAND MANAGEMENT
1235 LA PLATA HIGHWAY
FARMINGTON, NM 87401

7009 2820 0000 5757 2222



MAILED FROM ZIP CODE 87402
0001671127 SEP 15 2011

02 1P
\$ 005.590
PITNEY BOWES



CERTIFIED MAIL™

7009 2820 0000 5757 2222

SENDER: COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BUREAU OF LAND MANAGEMENT
1235 LA PLATA HIGHWAY
FARMINGTON, NM 87401

2. Article Number
(Transfer from service label)

7009 2820 0000 5757 2222

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent
X ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

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CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$.44
Certified Fee	2.85
Return Receipt Fee (Endorsement Required)	2.30
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.59

Postmark
Here
SEP 15 2011

Sent To
Street, Apt. No.
or PO Box No.
City, State ZIP+4
Bureau of Land Management
1235 La Plata Hwy
Farmington, NM 87401

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: **SEP 19 2011**

BUREAU OF LAND MANAGEMENT
1235 LA PLATA HIGHWAY
FARMINGTON, NM 87401

2. Article Number
(Transfer from service label)**7009 2820 0000 5757 2222**

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X**Ashley Dye**☐ Agent☐ Addressee

B. Received by (Printed Name)

ASHLEY DYE

C. Date of Delivery

9/16/11D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

**WALSH**

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping7415 East Main
Farmington, New Mexico 87402
(505) 327-4892 • Fax: (505) 327-9834

September 13, 2011

CERTIFIED MAIL

Three Forks Resources, LLC
1775 Sherman St., Suite #1675
Denver, CO 80203Re: Application for Authorization to Inject
Erin #2
900' FNL & 2310' FWL,
Section 33, T18N, R3W
Sandoval Co., NM

Dear Lease Operator,

Coulthurst Management and Investments, Inc., LLC has applied to the New Mexico Oil and Gas Conservation Division (NMOCD) for approval to inject produced water from offset producing Menefee wells into the Menefee interval in the Erin #2 well, for pressure maintenance purposes. You are being notified of this application pursuant to NMOCD rules.

The Erin #2 well, described above, is perforated in the South San Luis Menefee pool from 525' to 580'. The maximum expected injection pressure is 50 psi until a step – rate test can be completed and the maximum anticipated injection rate is 100 BPD.

If you have no objections to this application then no action is required on your part. If you would like to file an objection or request a hearing, please notify the NMOCD at 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days of receipt of this notice. If you have any questions or need additional information, please call or write me at the letterhead address.

Sincerely,

Paul C. Thompson, P.E.

RECEIVED NMOCD
SEP 28 AM 11:21



ENGINEERING & PRODUCTION CORP

WALSH

SENDER: COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Three Forks Resources
1775 Sherman St.
Suite 1675
Denver, CO 80203

2. Article Number

(Transfer from service label)

7009 2820 0000 5757 2239

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☒ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

CERTIFIED MAIL™

7009 2820 0000 5757 2239

Three Forks Resources, LLC
1775 Sherman Street
Suite #1675
Denver, CO 80203



UNITED STATES POSTAGE
PITNEY BOWES
02 1P
\$ 005.590
0001671127 SEP 15 2011
MAILED FROM ZIP CODE 87402

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OFFICIAL USE

Postage	\$ 44
Certified Fee	2.85
Return Receipt Fee (Endorsement Required)	2.30
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.59

SEP 19 2011
Postmark
Held

Three Forks Resources, LLC
1775 Sherman St. Suite 1675
Denver, CO 80203

See Reverse for Instructions

PS Form 3800, August 2005

Classifieds

Please call to place a classified ad: (505) 892-8080

AdMarket ->Legal Notices ->Legal Notices

LEGAL NOTICE Coulthurst Management and Investments, Inc., LLC has applied to the New Mexico Oil and Gas Conservation Division (NMOCD) for approval to inject produced water into the Menefee interval in the Erin #2 well, located at 900' FNI and 2310' FWI of Section 33, T18N, R3W, Sandoval County, for pressure maintenance purposes. The Erin #2 well is perforated in the South San Luis Menefee pool from 525' to 580'. The maximum expected injection pressure is 50 psi until a step-rate test can be completed and the maximum anticipated injection rate is 100 BPWD. Interested parties must file an objection or request a hearing with the NMOCD at 1220 South St. Francis Dr., Santa Fe, NM 87505, within 15 days. For additional information, call or write Paul Thompson, 7415 E. Main St., Farmington, NM 87402 (505) 327-4892. Pub Date: 9/25, 2011

Ad# 26178150 posted on Sep 23, 2011

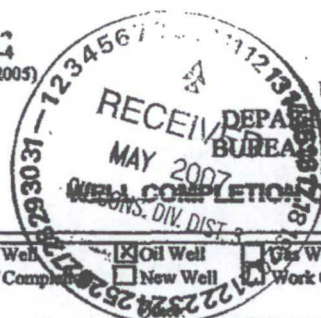
Classifieds Archives

Error

The specified ad ID is not valid

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RECEIVED OCD
2011 SEP 28 A 11:21

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

2007 MAY -4 AM 10:59

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Rekey
2. Name of Operator **INTEGRA PETROLEUM INC.**
3. Address **P.O. BOX 807 CAMAS WA. 98607**
3a. Phone No. (include area code) **505-270-7328**
4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 1660' FSL 2310' FWL S 28 T18N R3W
At top prod. interval reported below A/A 2650' From 2 KJ#
At total depth A/A ERIC #2 MW?

5. Lease Serial No.
NM. 114365
6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
K
8. Lease Name and Well No.
GEORGE #5
9. AFI Well No.
30-043-21007
10. Field and Pool or Exploratory
SOUTH SAN LUIS MESAVERDE
11. Sec., T., R., M., on Block and
Survey or Area
S 28 T18N R3W
12. County or Parish
SANDOVAL
13. State
N.M.

14. Date Spudded **5/6/06**
15. Date T.D. Reached **5/26/06**
16. Date Completed ☐ D&A ☒ Ready to Prod. **4/19/07**
17. Elevations (DF, RKB, RT, GL)*
6562.9 GL
18. Total Depth: MD **1035'** TVD **A/A**
19. Plug Back T.D.: MD **TVD**
20. Depth Bridge Plug Set: MD **TVD**
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON TRIPLE LITHOLOGY DENSITY, CYBERLOOK, P.E. ARRAY INDUCTION GAMMA RAY - SP.
22. Was well cased? ☐ No ☒ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Casing Depth	No. of Sls. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
10 3/4"	7"	24.00	SURFACE	138.25'		95 NEAT	19.97	SURFACE	
6 1/4"	4.5"	10.50	SURFACE	789.85'		165 NEAT	34.68	SURFACE	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	570'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MENESEE	578	594	588-594	3/8"	12	
B) MENESEE	906	916	906-914	3/8"	32	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Slugs, etc.

Depth Interval	Amount and Type of Material
588-594	75 Gallons 5% Acetic Acid w 150 Gallons 2% KCL water
906-914	75 Gallons 5% Acetic Acid w 150 Gallons 2% KCL water
You are required to submit corrected 7" casing report	

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/19/07	4/22-23/07	24	→	2.5	-	3.7	46	-	Mechanical Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					SI - w/o elec. to be run to well	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

NMOCD

6/18

FARMINGTON FIELD OFFICE

MAY 09 2007

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Manafee	256	271	S.S.	NONE	
Mene fee	579	592	S.S.	NONE	
Mene fee	906	916	S.S.	NONE	

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Name (please print) DANIEL T. WILSON

Title AGENT

Signature [Signature]

Date 4/25/07

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 5160-4, page 2)

2011 SEP 28 A 11:34
RECEIVED OGD

Serial Register Page

Go



n map

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Time: 10:07 AM

Page 3 of 3

Run Date: 09/13/2011

01 12-22-1987;101STAT1330;30USC181 ET SE

Total Acres

Serial Number

Case Type 312021: O&G LSE COMP PD -1987

160.000

NMNM-- - 124214

Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 124214

Name & Address

Int Rel

% Intere

THREE FORKS RESOURCES LLC	1515 WAZEE ST STE 350	DENVER CO 802021618	LESSEE	100.0000
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Serial Number: NMNM-- - 124214

Mer Twp Rng Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0180N 0030W 028	ALIQ		SE;	RIO PUERCO FIELD OFFICE	SANDOVAL	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 124214

Act Date	Code	Action	Action Remar	Pending Offic
12/04/2009	387	CASE ESTABLISHED	201001020;	
01/20/2010	191	SALE HELD		
01/20/2010	267	BID RECEIVED	\$320.00;	
02/26/2010	139	ASGN APPROVED	EFF 03/01/10;	
02/26/2010	140	ASGN FILED	GONZALES/THREE FOR;1	
02/26/2010	237	LEASE ISSUED		
02/26/2010	974	AUTOMATED RECORD VERIF	BTM	
02/26/2010	974	AUTOMATED RECORD VERIF	TF/TF	
03/01/2010	496	FUND CODE	05;145003	
03/01/2010	530	RLTY RATE - 12 1/2%		
03/01/2010	868	EFFECTIVE DATE		
03/08/2010	042	CASE SENT TO	RROMERO;	
02/29/2020	763	EXPIRES		

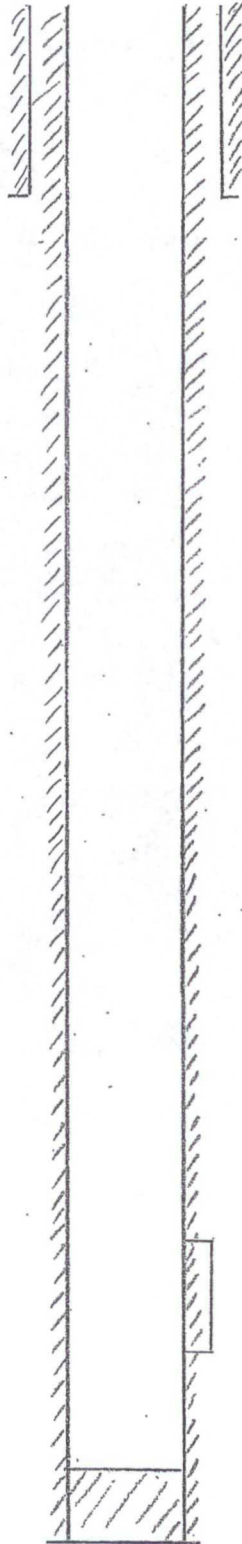
Serial Number: NMNM-- - 124214

Line Nr	Remarks
0002	STIPULATIONS ATTACHED TO LEASE:
0003	NM-11-LN SPECIAL CULTURAL RESOURCE
0004	-
0005	02/26/2010-THREE FORKS RES. LLC CURRENTLY
0006	HOLDS A 25K/NM SW BLM BOND NO. NMB000519.

HOEL REYNOLDS

ANN #11

1376 FNL & 1580 FEL, SECTION 33, T18N, R3W



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2011 SEP 28 A 11:32

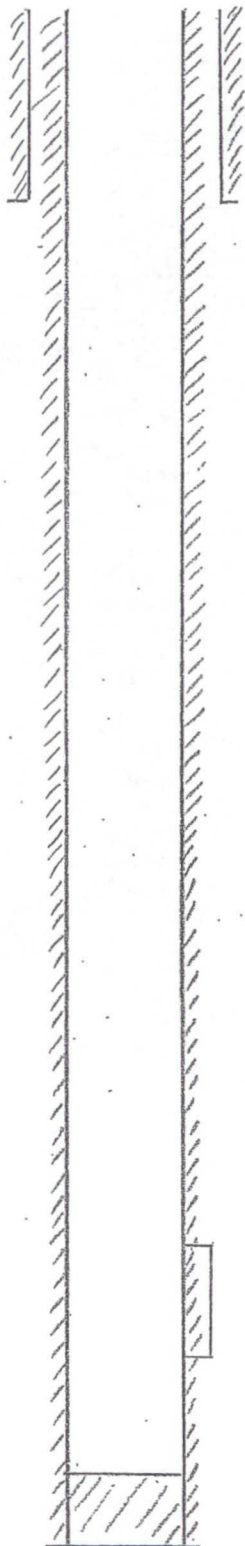
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



J.I. HARVEY

FEDERAL #2

1650 FNL & 1650 FEL, SECTION 33, T18N, R3W



6 1/2" @ 30'

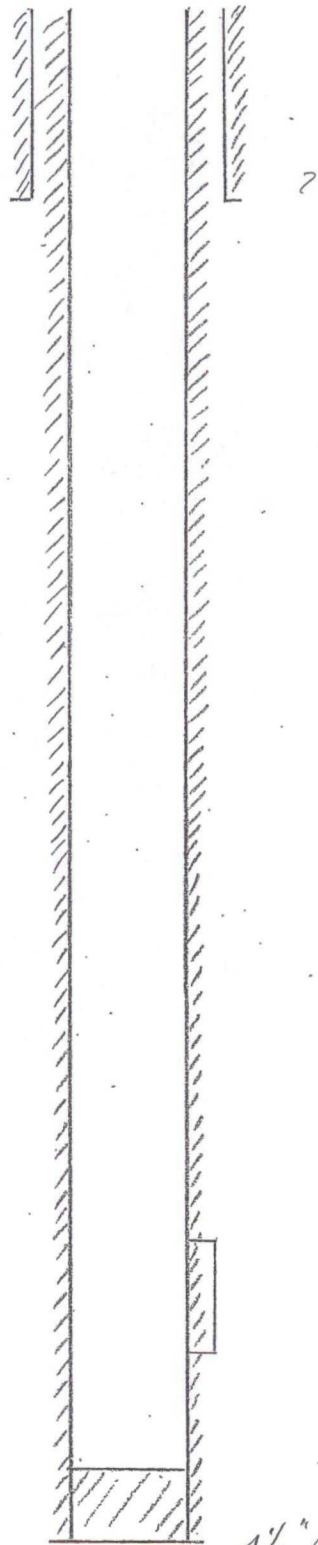
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



ARWOOD H. STONE

ANN #13

2619 FNL & 1902 FEL, SECTION 33, T18N, R3W



4 1/2" C 450

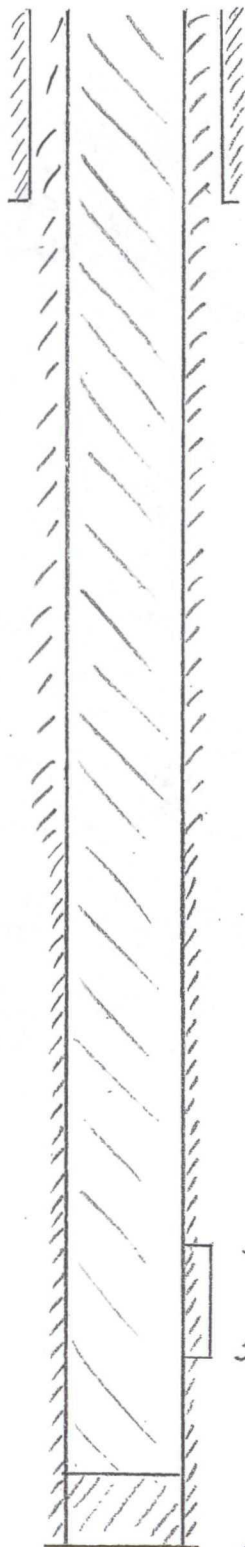
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



COWLTHURST MANAGEMENT & INV., INC.

JENNY #1

990' FSL & 2310' FEL SEC 28, T18N, R3W



8 5/8" @ ?

7 1/2" FROM TD TO SURFACE
WITH 54 ft³ OF NEAT CEMENT
4/2004

574

@ 4 SPF

594

4 1/2", 10.5", @ 614'

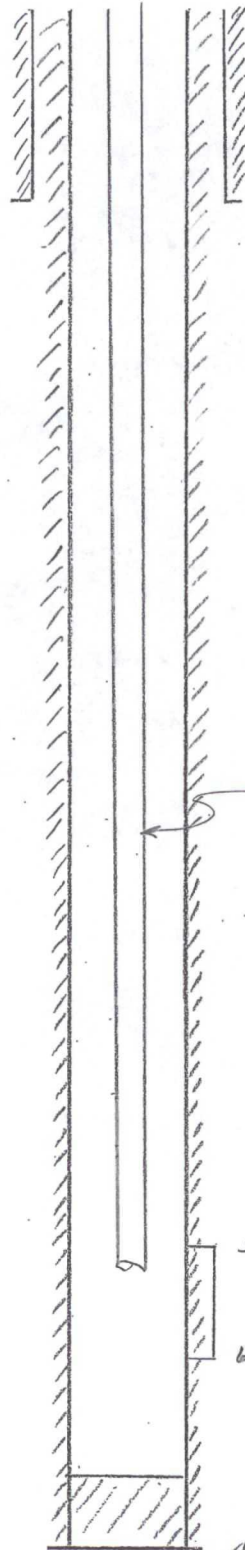
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



INTEGRA PETROLEUM INC.

GEORGE #1

1069 FSL & 2182 FWL, SECTION 28, T18N, R3W



9 5/8" @ 127'
CMT W/ 80SK TO SURFACE

2 3/8" @ 580'

574

72 HOLES

687

4 1/2", 10.5" @ 860'

CMT W/ 125SK TO SURFACE

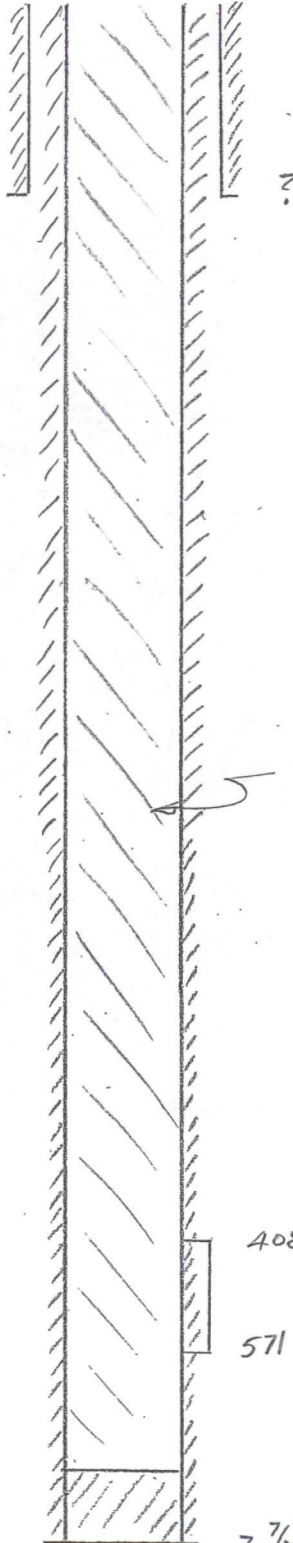
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



NOEL REYNOLDS

ANN #1

326 FNL + 1086 FEL, SEC 33, T18N, R3W



7#A w/ 285X OF NEAT CMT
12/17/86

2 7/8" @ 620'
CMT. CIRCULATED.

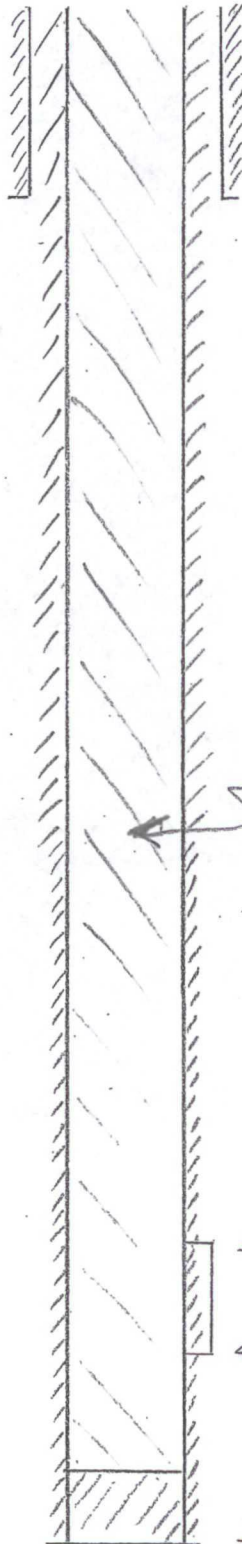
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



NOEL REYNOLDS

ANN #2

354 FNL & 420 FEL, SEC 33, T13N, R3W



P/A WITH 15 SK NEAT CEMENT
12/17/86

387

428

2 7/8" C 472

CMT CIRCULATED

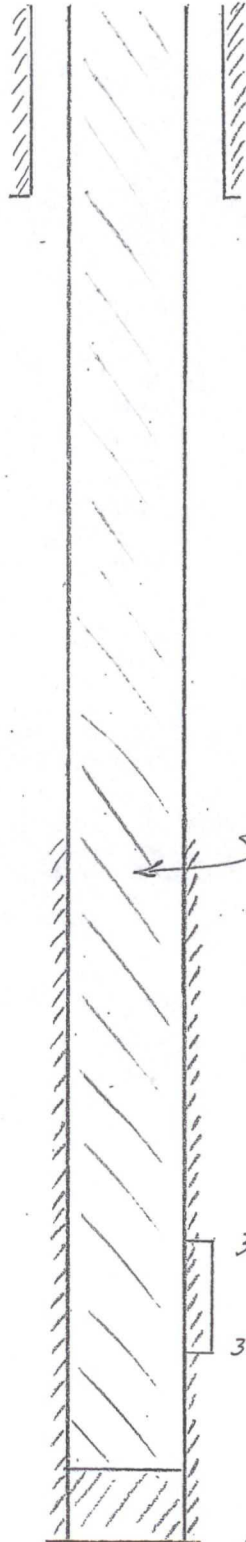
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Coulthurst Management & Inv.

Ann #3

902' FNL & 576' FEL, SECTION 33, T18N, R3W



8 5/8" @ 30'

CMT w/ 10 SG - CIRCULATED

7#A w/ 50 ft³ NEAT CEMENT
4/26/02

347

378

5 1/2" @ 347'

CMT w/ 20 SF

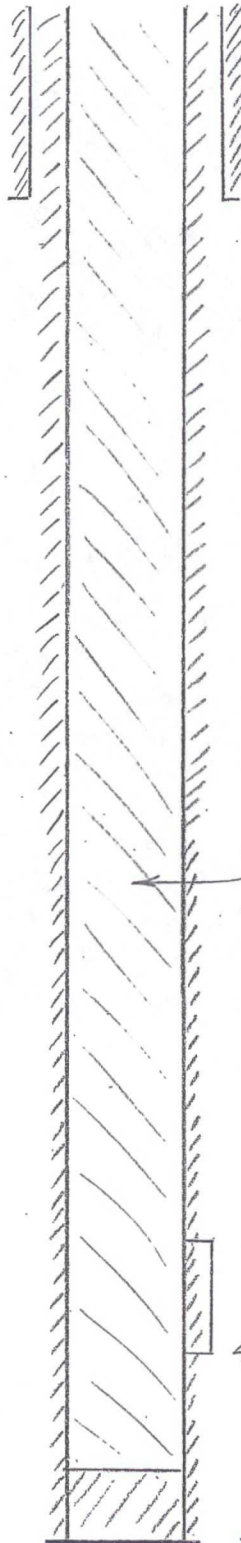
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



NOEL REYNOLDS

ANN #4

1029 FNL & 1020 FEL, SECTION 33, T18N, R3W



3 1/2" A w/ 95% NEAT CEMENT
6/25/88

318

400

2 7/8" @ 400'

CMT CIRCULATED

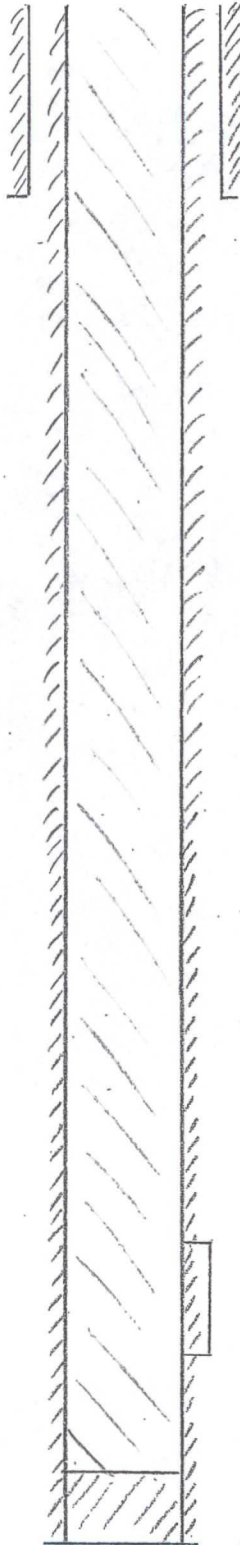
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



COULTHURST MANAGEMENT & INV.

ANN #5

994 FNL & 321 FEL SECTION 33, T18N, R3W



2

P&A w/ 40 ft³ NEAT CEMENT
4/29/02

405

410

4 1/2" C 440'

CEMENT CIRCULATED

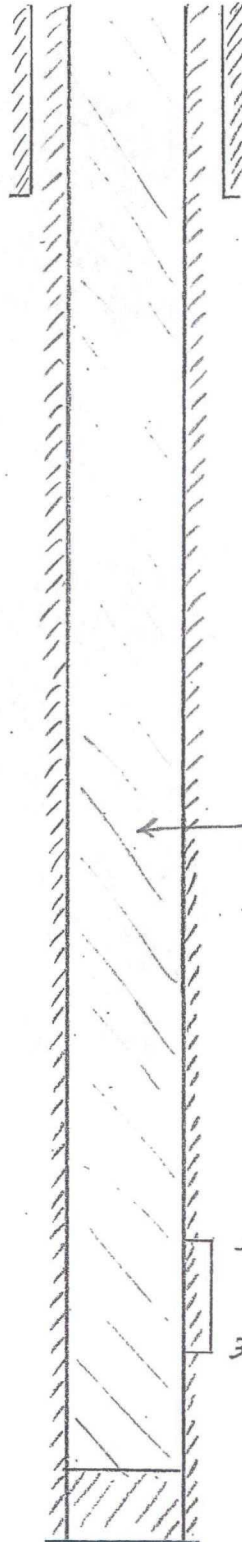
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



COURTHOUSE MANAGEMENT & INC

ANN #6

694 FNL & 667 FEL, SECTION 33, T18H, R3W



PEA 14/14 cu ft. OF NEAT CEMENT
4/5/05

2 7/8" c 442

CEMENT CIRCULATED

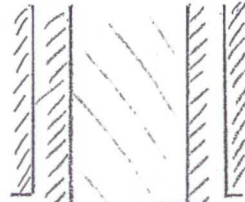
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



NOEL REYNOLDS

ANN #19

1301 FNL & 824 FEL, SECTION 33, T18H, R3W



?

7#A w/ 15 SK NEAT CEMENT
12/17/86

299

409

2 7/8" C 445

CEMENT CIRCULATED

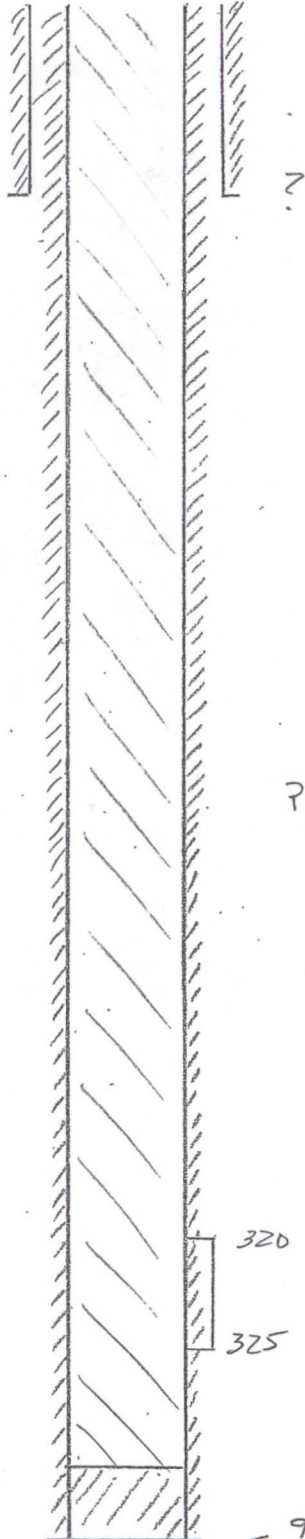
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



CAULTHURST MANAGEMENT & INV.

ANN #15

1029 FNL & 1016 FEL, SECTION 33, T18N, R3W



2# A WITH 40 SK NEAT CEMENT
TOP OFF W/ 2 SK.
8/17/07

5 9/16" @ 330'

CEMENT CIRCULATED

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

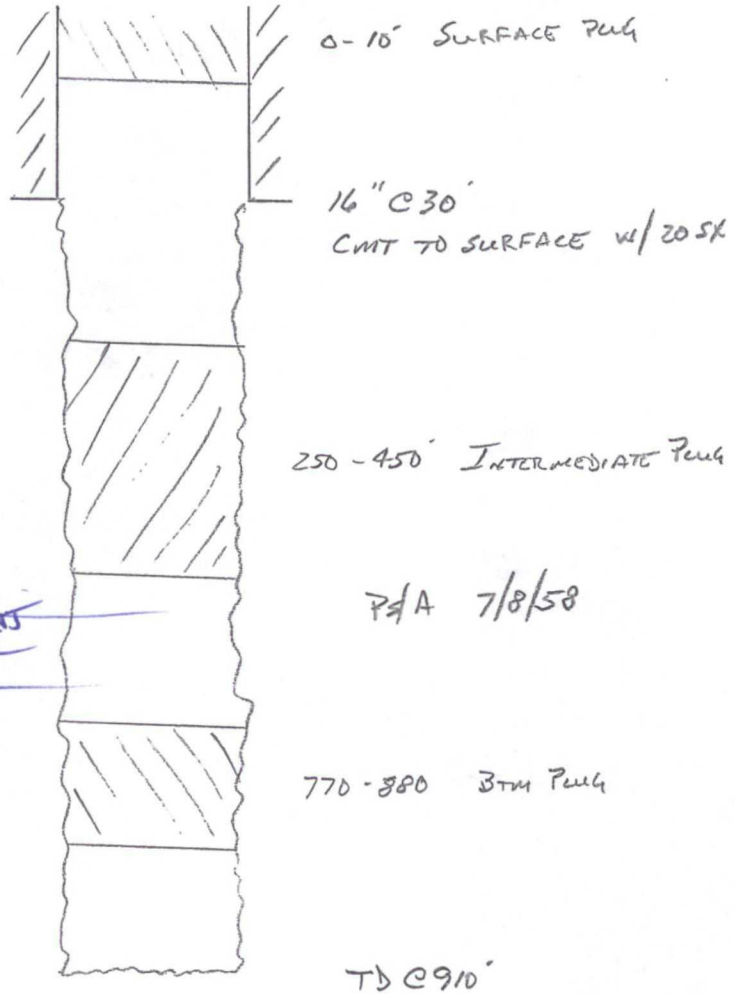


ENTRADA CORPORATION

FEDERAL 1 #33

990 FNL & 990 FEL, SECTION 33, T18N, R3W

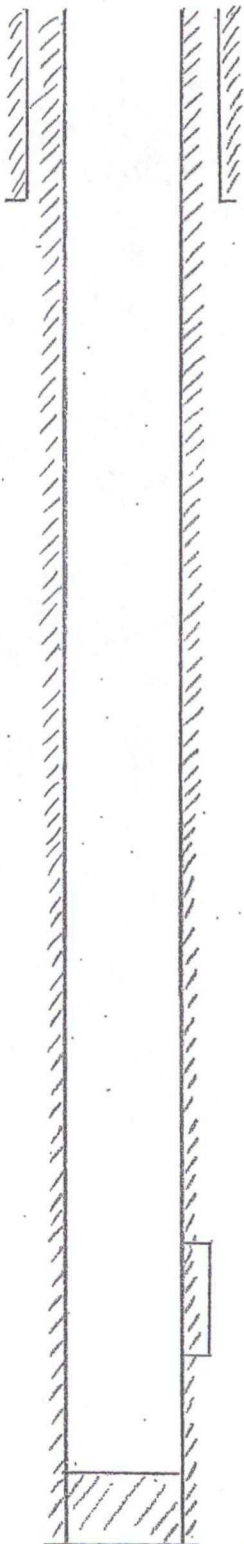
13-782 500 SHEETS, FILLER 5 SQUARE
42-381 50 SHEETS, FILLER 5 SQUARE
42-382 100 SHEETS, FILLER 5 SQUARE
42-383 200 SHEETS, FILLER 5 SQUARE
42-384 100 SHEETS, FILLER 5 SQUARE
42-385 100 RECYCLED WHITE 5 SQUARE
42-386 200 RECYCLED WHITE 5 SQUARE
Made in U.S.A.



COLTHURST MANAGEMENT & INV.

WATER WELL #1

1224 FNL & 968 FEL, SECTION 33, T18N, R3W



7" c 60'

UNKNOWN POINT LOOKOUT

4 1/2" c 300'

NO CEMENT RECORD

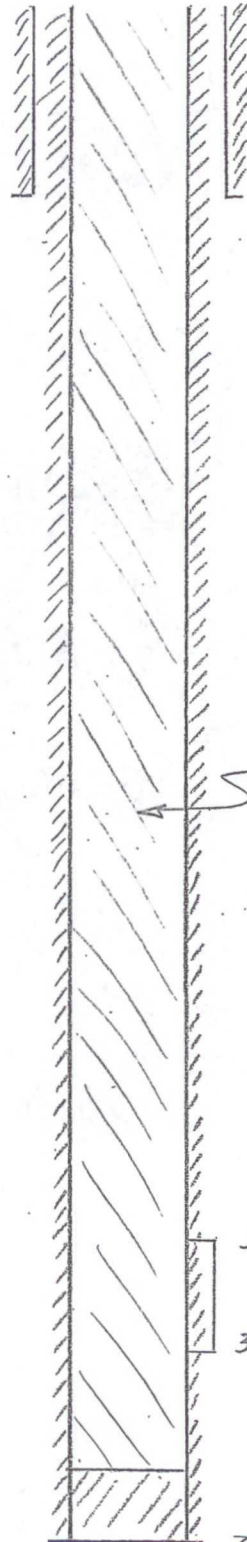
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



NOEL REYNOLDS

ANN #10

665 FHL # 1652 FEL, SECTION 33, T18N, R3W



PFA W/ 9 SK OF NEAT CEMENT
6/25/83

369

379

2 7/8" @ 450'

CEMENT CIRCULATED

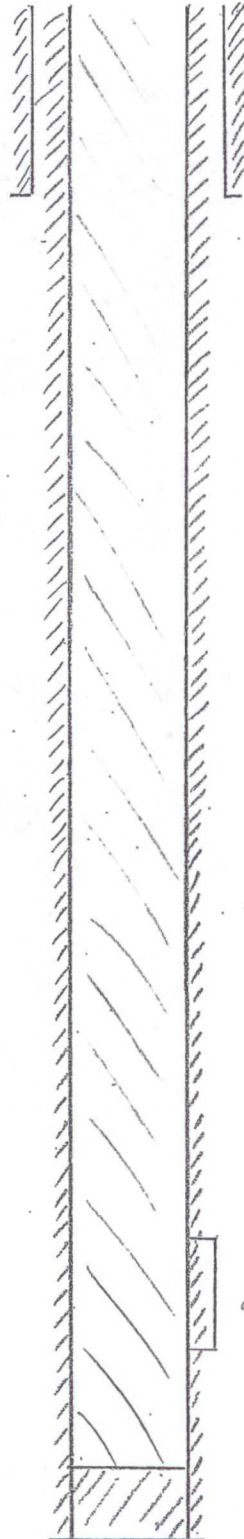
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



ELLSBURY, ET. AL.

ANN #17

621 FNL & 1988 FEL, SECTION, 33, T&N, R3W



P&A WITH 38 SK. NEAT CEMENT
1/5/87

UNKNOWN

5 9/16" @ 320'
CEMENT WITH 5 SK

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



13-782	500 SHEETS, FILLER	5 SQUARE
42-381	50 SHEETS EYE-EASE®	5 SQUARE
42-382	100 SHEETS EYE-EASE®	5 SQUARE
42-389	200 SHEETS EYE-EASE®	5 SQUARE
42-392	100 RECYCLED WHITE	5 SQUARE
42-399	200 RECYCLED WHITE	5 SQUARE

Made in U.S.A.



SURFACE - 100'
 PLUGGED WITH 30 SX
 ?

P#A 12/7/84

550' - 650'
 PLUGGED WITH 30 SX

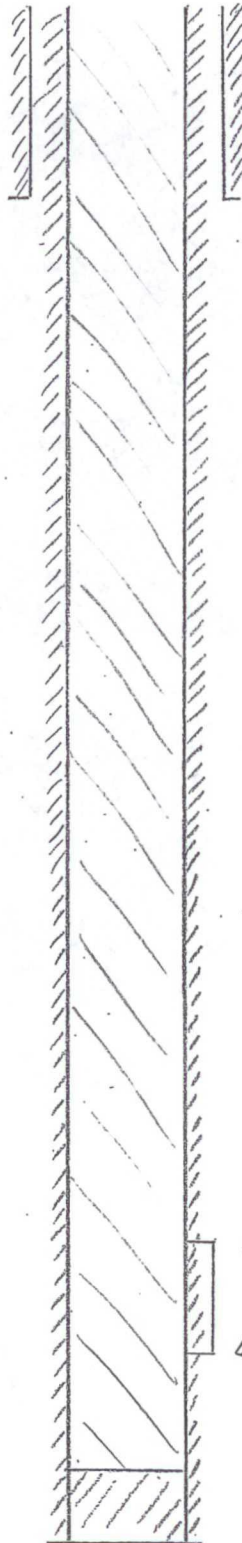
TD 650'

PFA 12/7/84

COULTHURST MANAGEMENT

ERIN #1

990 FNL & 1450 FWL, SECTION 33, T18A, R3W



3 5/8" @ 90'

CEMENT TO SURFACE WITH 60 SK

P&A WITH 50 SK OF NEAT CEMENT
TOP OFF TO SURFACE WITH 15 SK

8/17/07

584

622

4 1/2" @ 736'

CEMENT TO SURFACE WITH 110 SK

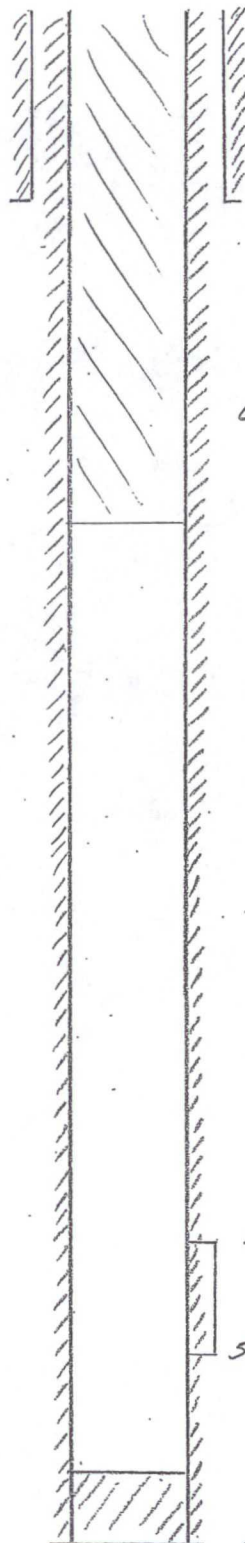
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



NOEL REYNOLDS

ANK #19

666 FNL & 2030 FNL, SECTION 33, T18H, R3W



TOR OFF 3H WITH 4SK CEMENT

7" @ 34"

CEMENT TO SURFACE WITH 12SK

0-108' P#A WITH 16SK HEAT CEMENT
1/18/2010

490

556

4 1/2" @ 604"

CEMENT WITH 25SK

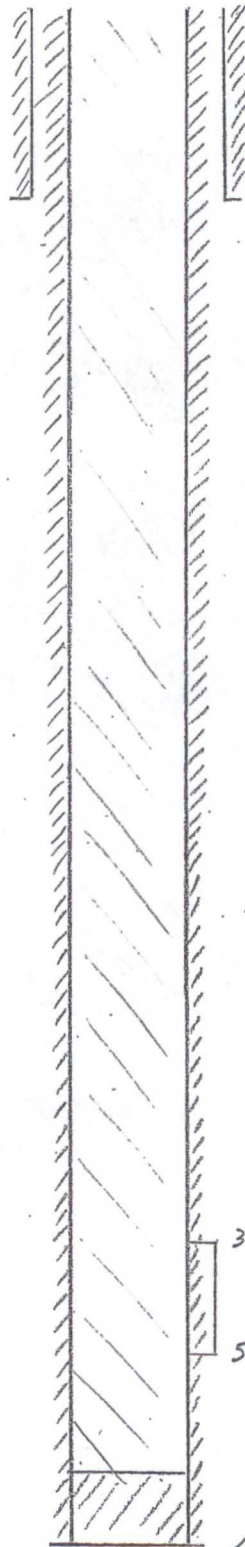
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



COULTHURST MANAGEMENT & INV.

ERIN #4

1650 FNL & 2310 FWL, SECTION 33, T10N, R3W



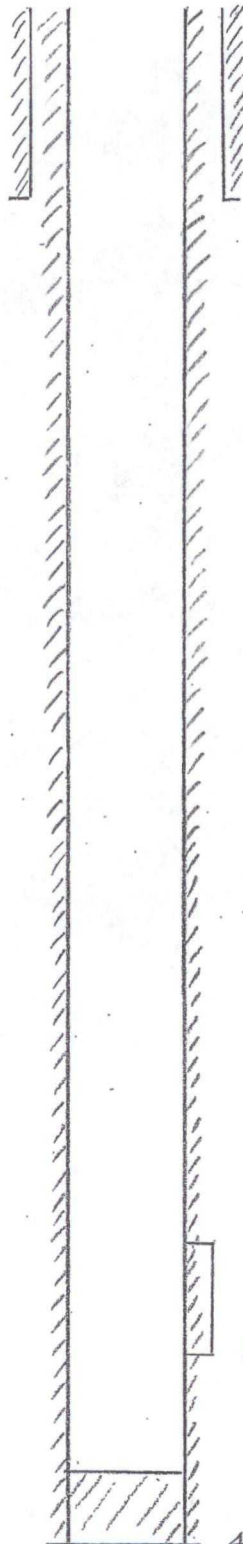
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Coulthirst Management & Inc

ERIN #3

1650 FHL & 1650 FHL, SECTION 33, T18N, R3W



8 5/8" @ 80'

CEMENT WITH 20SK

Producing

544

594

4 1/2" @ 680'

CEMENT WITH 120 SK

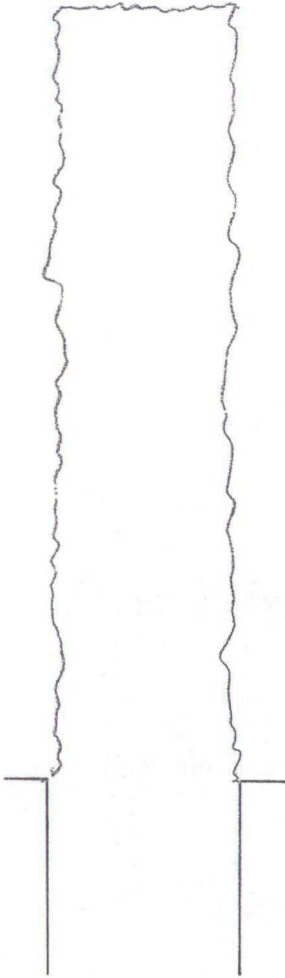
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS





13-782 500 SHEETS, FILLER 5 SQUARE
42-381 50 SHEETS, EYE EASY 5 SQUARE
42-382 100 SHEETS, EYE EASY 5 SQUARE
42-386 200 SHEETS, EYE EASY 5 SQUARE
42-392 100 RECYCLED WHITE 5 SQUARE
42-399 200 RECYCLED WHITE 5 SQUARE

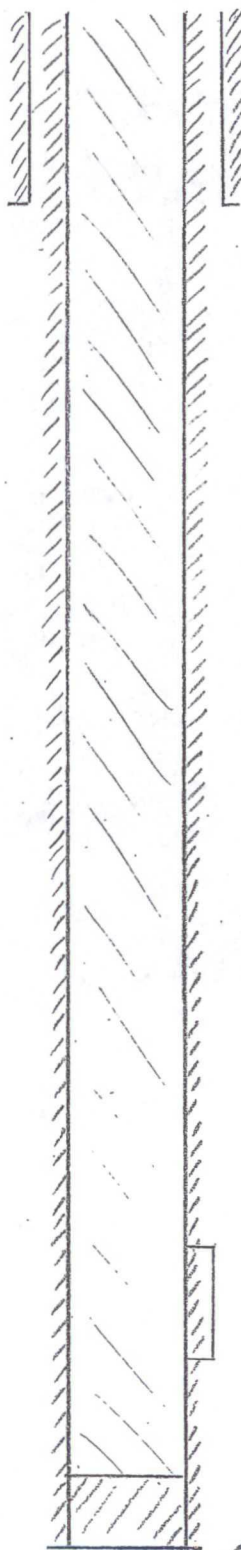
Made in U.S.A.



CORLTHURST MANAGEMENT & INV.

DARLA #1

1670 FNL & 1014 FEL, SECTION 33, T18N, R3W



8 5/8" @ 30'

7 1/2" @ 330'

7 1/2" @ 330'

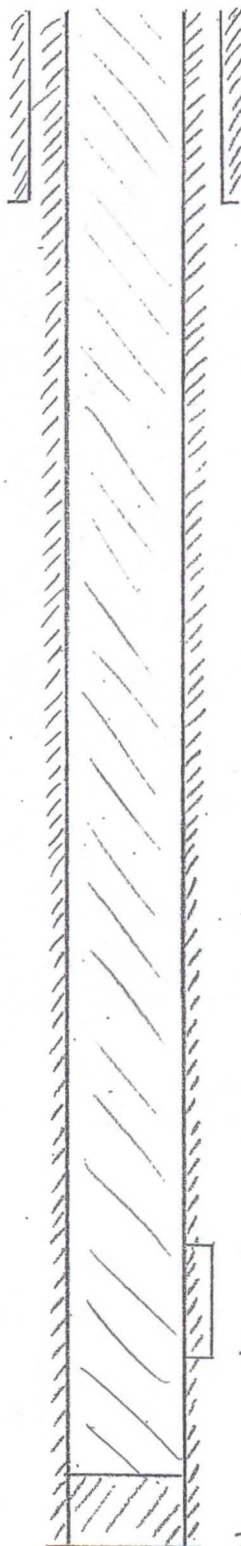
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



NOEL REYNOLDS

DARLA #3

2297 FNL & 1154 FEL, SECTION 33, T18H, R3W



2" A WITH 12 SK NEAT CEMENT
1/5/87

353

405

2 7/8" @ 400'

CIRCULATED CEMENT TO SURFACE

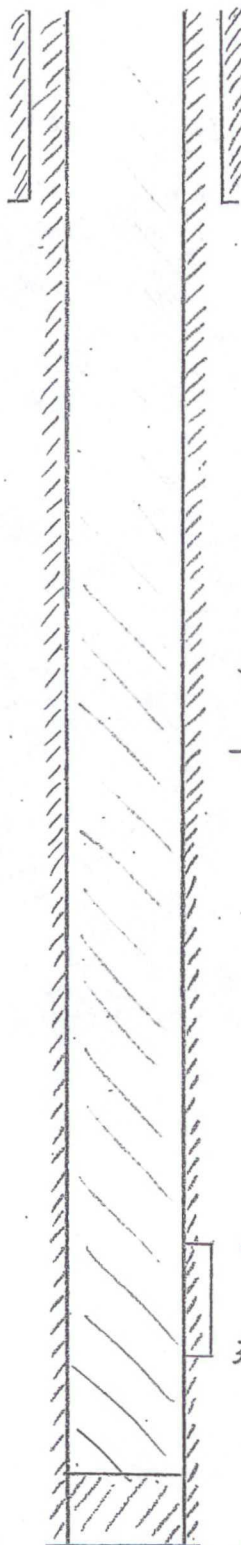
22-141 50 SHEETS
22-142 100 SHEETS
22-143 200 SHEETS



COLTHURST MANAGEMENT & INV.

DARLA #2 INJECTION

1750 ENL & 1230 FEL, SECTION 33, T18N, R3W



7" @ 31'

CEMENT TO SURFACE WITH 9 SX.

P&A WITH 26 SX CEMENT 7/1/06
TOPPED OFF WITH 3 SX CEMENT 6/2/07

325

334

4 1/2" @ 453'

CEMENT TO SURFACE WITH 30 SX

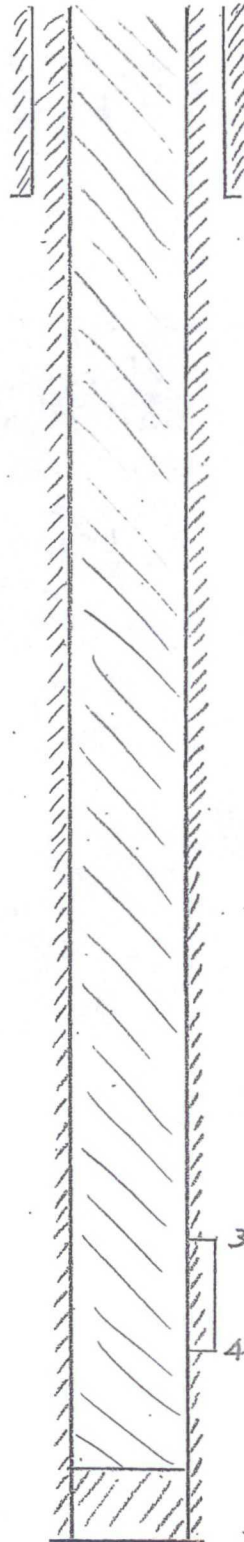
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



COURTHURST MANAGEMENT & INV

DARLA #7

1347 FNL & 1166 FEL, SECTION 33, T18N, R3W



PFA WITH 13.1 cu. ft. OF CEMENT
4/7/03

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

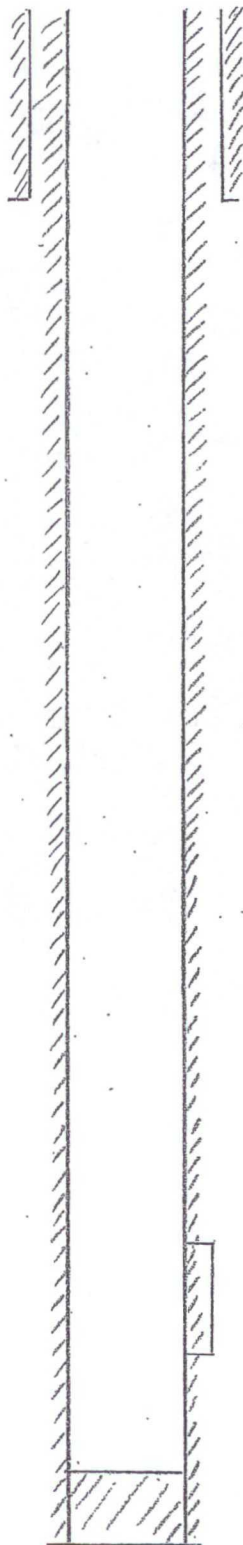


2 7/8" @ 432'

NOEL REYNOLDS

DARLA #8

1900 EHL & 660 FEL, SECTION 33, T18N, R3W



LOST HOLE. NO RECORD OF ANY CASING.
SURFACE LOCATION HAS BEEN
REHABILITATED. SET 7 1/2" MARKER
AT APPROXIMATE LOCATION

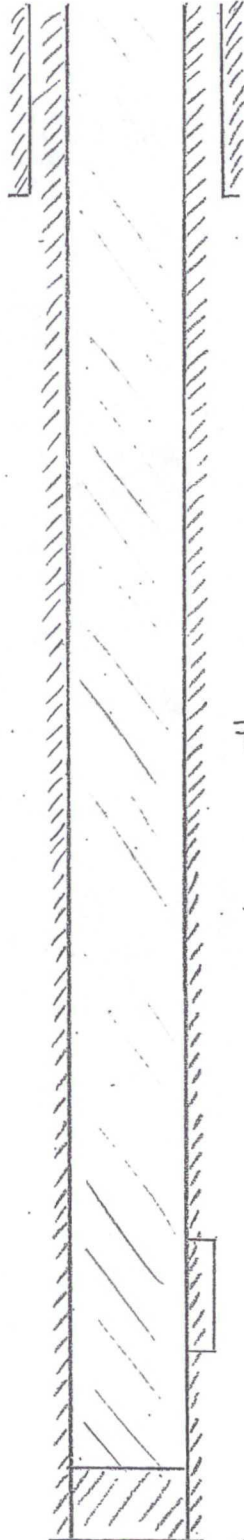
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



COULTHURST MANAGEMENT & INV

DARLA #18

1765 FNL & 1801 FEL, SECTION 33, T18N, R3W



7 #A WITH 65 cu. ft. OF NEAT CEMENT
4/29/02

5 9/16" @ 260'

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

