Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APROVED
OMB NO. 1004-0135
EXPIRES: NOVEMBER 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE

1a. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. **NM-16102**
2. Name of Operator **DEVON ENERGY PRODUCTION COMPANY, LP**	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. **20 North Broadway, Ste 1500, Oklahoma City, OK 73102** **405-552-7802**	7. Unit or CA Agreement Name and No.
4. Location of Well (Report location clearly and in accordance with Federal requirements)* **G 1980' FNL & 1980' FEL** **Sec 34 T22S, R28E**	8. Well Name and No. **Northeast Loving 34 Federal 1**
	9. API Well No. **30-015-24718**
	10. Field and Pool, or Exploratory **Undesignated Strawn Gas**
	12. County or Parish **Eddy** 13. State **NM**

RECEIVED
NOV 29 2005
OCD-ARTESIA

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OS SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☑ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. . Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepen directionally or recomplete horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Devon proposes to sidetrack the existing wellbore by setting a CIBP & cement @ 11,260'. We will then set a whipstock @ ±11,030' & cut a window in the 7" casing. We propose to directionally drill to a BHL of 1295' FNL & 2517' FWL at a TVD of 12,750' (13,110' MD). We will then set a 4 ½" 11.6# N-80 liner from 13,110' to 10,600' & cement it with 350 sacks Cl H cement.

Location Information:
Surface location: Lot G 1980' FNL & 1980' FEL
Projected bottom hole location: Lot C 1295' FNL & 2517' FWL

APPROVED
NOV 22 [illegible]
LES BABYAK
PETROLEUM ENGINEER

Attached for your review are the following:
1.) Revised C-102 indicating new BHL location.
2.) Wellbore skematic showing current and projected status of well.
3.) Projected directional survey.
4.) Cementing Program

A pit permit will be applied for with the OCD to re-open the closed reserve pit. NSL to be filed.

14. I hereby certify that the foregoing is true and correct

Signed _____ Name **Stephanie A. Ysasaga** Title Senior Engineering Technician Date 11/17/2005

(This space for Federal or State Office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

***See Instruction on Reverse Side**

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-24718		DUBLIN RANCH; MORROW (GAS)

Property Code	Property Name	Well Number
	NORTHEAST LOVING 34 FEDERAL	1

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION CO., L.P.	3051.4

Surface Location

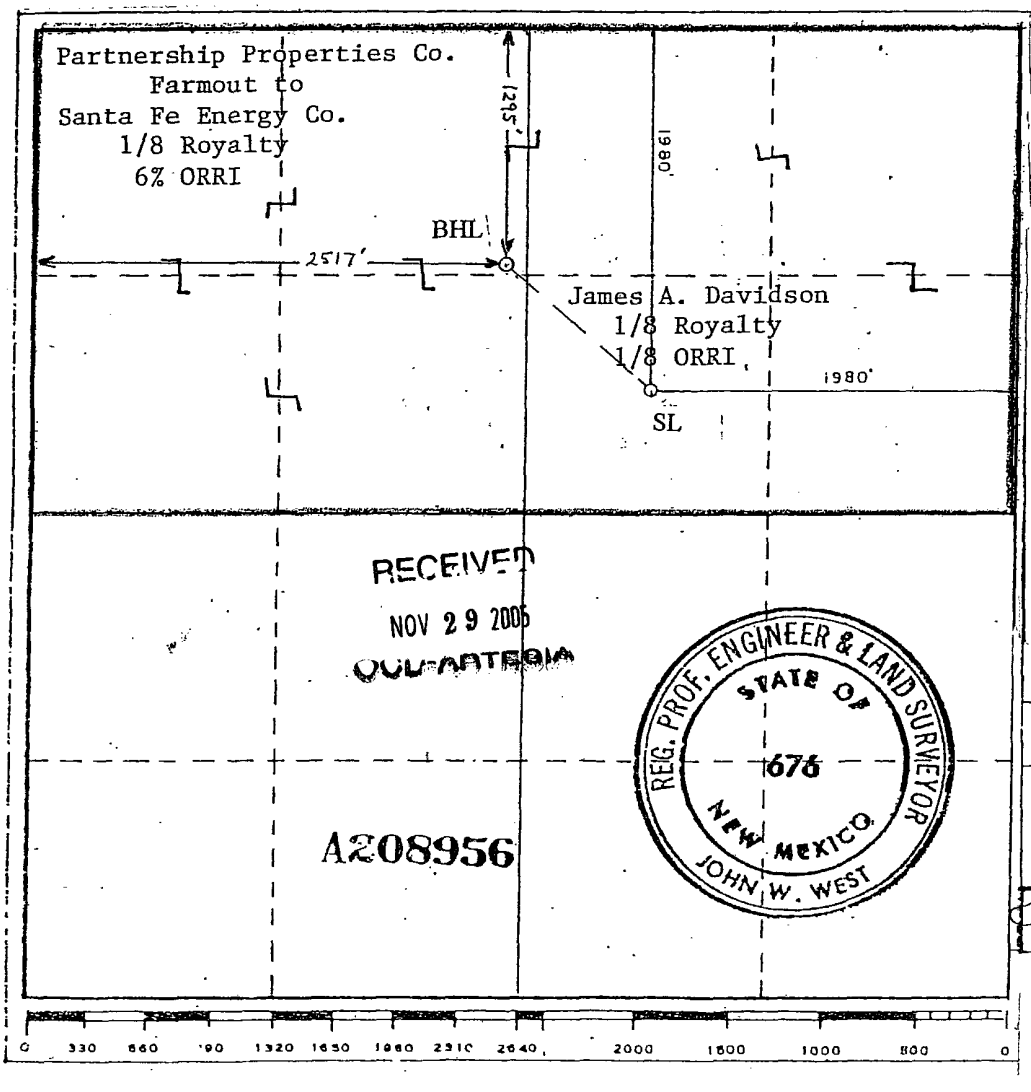
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	34	22S	28E		1980	NORTH	1980	EAST	EDDY

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
C	34	22S	28E		1295	NORTH	2517	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Stephanie A. Ysasaga
Printed Name

Senior Engineering Technician
Title

11/15/05
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

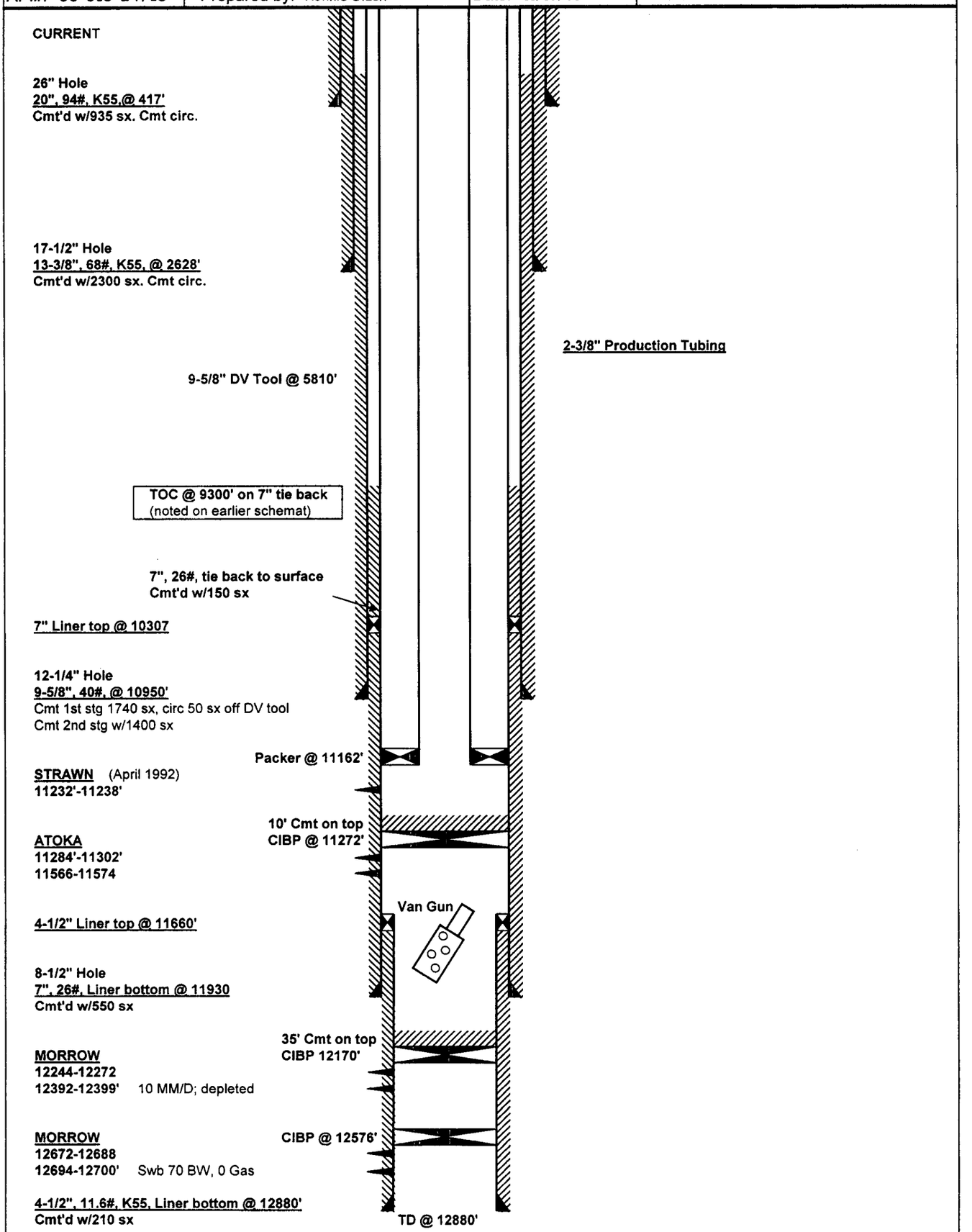
Date Surveyed
NOVEMBER 5, 1983

Registered Professional Engineer
and/or Land Surveyor

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: NE LOVING 34 FED #1		Field: DUBLIN RANCH (ATOKA) FIELD	
Location: 1980' FNL & 1980' FEL; 34-22S-28E		County: EDDY	State: NM
Elevation: 3051' GL; 3066' KB		Spud Date: 1/8/84	Compl Date: 5/6/84
API#: 30-015-24718	Prepared by: Ronnie Slack	Date: 11/15/05	Rev:



DEVON ENERGY PRODUCTION COMPANY LP

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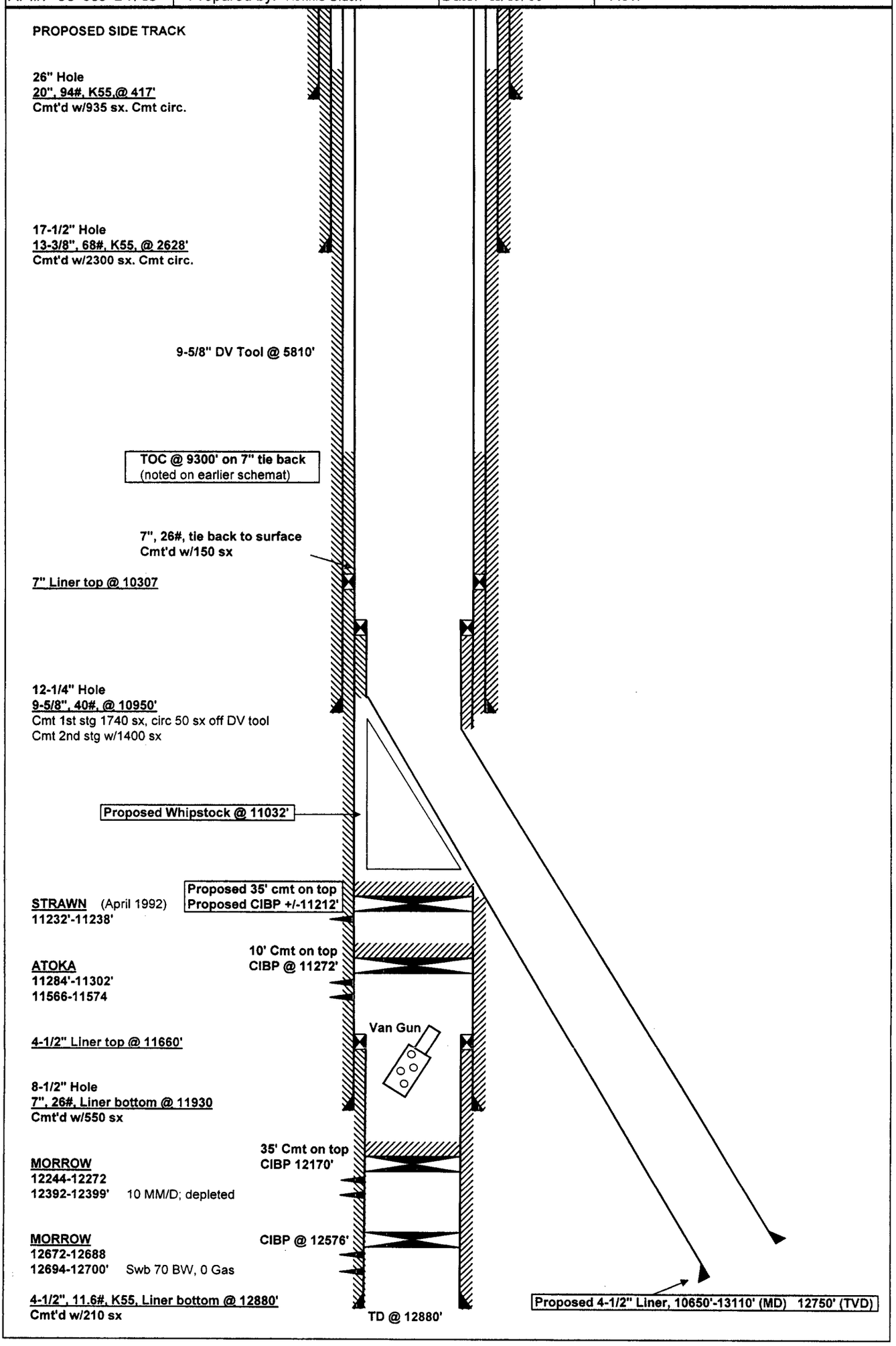


DEVON ENERGY
NE Loving 34 Fed 1 S/T 1

slot #1

Eddy County New Mexico

P R O P O S A L L I S T I N G

by
Baker Hughes INTEQ

Your ref : Plan 1
Our ref : prop4877
License :

Date printed : 16-Nov-2005
Date created : 16-Nov-2005
Last revised : 16-Nov-2005

Field is centred on n32 40 29.200,w103 55 30.8
Structure is centred on 580475.000,491454.000,999.00000,N

Slot location is n32 21 3.072,w104 4 21.847
Slot Grid coordinates are N 491454.000, E 580475.000
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North

DEVON ENERGY
NE Loving 34 Fed 1 S/T 1,slot #1
,Eddy County New Mexico

PROPOSAL LISTING Page 1
Your ref : Plan 1
Last revised : 16-Nov-2005

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect	GRID COORDS Easting	Northing
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
500.00	0.00	0.00	500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
1000.00	0.00	0.00	1000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
1500.00	0.00	0.00	1500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
2000.00	0.00	0.00	2000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
2500.00	0.00	0.00	2500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
3000.00	0.00	0.00	3000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
3500.00	0.00	0.00	3500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
4000.00	0.00	0.00	4000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
4500.00	0.00	0.00	4500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
5000.00	0.00	0.00	5000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
5500.00	0.00	0.00	5500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
6000.00	0.00	0.00	6000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
6500.00	0.00	0.00	6500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
7000.00	0.00	0.00	7000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
7500.00	0.00	0.00	7500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
8000.00	0.00	0.00	8000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
8500.00	0.00	0.00	8500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
9000.00	0.00	0.00	9000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
9500.00	0.00	0.00	9500.00	0.00N	0.00E	0.00	0.00	580475.00	491454.00
10000.00	0.00	0.00	10000.00	0.00N	0.00E	0.00	0.00	580475.00	491454.01
10500.00	0.00	0.00	10500.00	0.01N	0.00E	0.00	0.00	580475.00	491454.01
11000.00	0.00	0.00	11000.00	0.01N	0.00E	0.00	0.00	580475.00	491454.01
11032.00	0.00	0.00	11032.00	0.01N	0.00E	0.00	0.00	580475.00	491454.01
11100.00	2.38	311.00	11099.98	0.93N	1.07W	3.50	1.42	580473.93	491454.93
11200.00	5.88	311.00	11199.71	5.66N	6.50W	3.50	8.62	580468.50	491459.66
11300.00	9.38	311.00	11298.80	14.37N	16.52W	3.50	21.89	580458.48	491468.37
11400.00	12.88	311.00	11396.91	27.03N	31.09W	3.50	41.19	580443.91	491481.03
11500.00	16.38	311.00	11493.65	43.60N	50.15W	3.50	66.45	580424.85	491497.60
11600.00	19.88	311.00	11588.67	64.01N	73.63W	3.50	97.56	580401.37	491518.01
11700.00	23.38	311.00	11681.62	88.19N	101.44W	3.50	134.41	580373.56	491542.19
11800.00	26.88	311.00	11772.14	116.04N	133.49W	3.50	176.88	580341.51	491570.04
11900.00	30.38	311.00	11859.90	147.47N	169.64W	3.50	224.78	580305.36	491601.47
12000.00	33.88	311.00	11944.57	182.36N	209.78W	3.50	277.96	580265.22	491636.36
12100.00	37.38	311.00	12025.83	220.57N	253.73W	3.50	336.21	580221.27	491674.57
12200.00	40.88	311.00	12103.39	261.97N	301.36W	3.50	399.30	580173.64	491715.97
12300.00	44.38	311.00	12176.96	306.39N	352.46W	3.50	467.02	580122.54	491760.39
12317.95	45.01	311.00	12189.72	314.68N	361.99W	3.50	479.65	580113.01	491768.68
12500.00	45.01	311.00	12318.43	399.14N	459.16W	0.00	608.39	580015.84	491853.14
13000.00	45.01	311.00	12671.93	631.13N	726.03W	0.00	962.00	579748.97	492085.13
13039.71	45.01	311.00	12700.00	649.55N	747.22W	0.00	990.08	579727.78	492103.55
13047.92	45.01	311.00	12705.80	653.36N	751.60W	0.00	995.88	579723.40	492107.36
13110.51	45.01	311.00	12750.06	682.40N	785.01W	0.00	1040.15	579689.99	492136.40

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 1040.15 on azimuth 311.00 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 311.00 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

Comments in wellpath

MD	TVD	Rectangular Coords.		Comment
13039.71	12700.00	649.55N	747.22W	Target (Lower Morrow Sand)

Targets associated with this wellpath

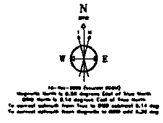
Target name	Geographic Location	T.V.D.	Rectangular Coordinates		Revised
Target (Lower Morrow		12700.00	649.55N	747.22W	16-Nov-2005
TD		12750.00	682.00N	784.55W	16-Nov-2005

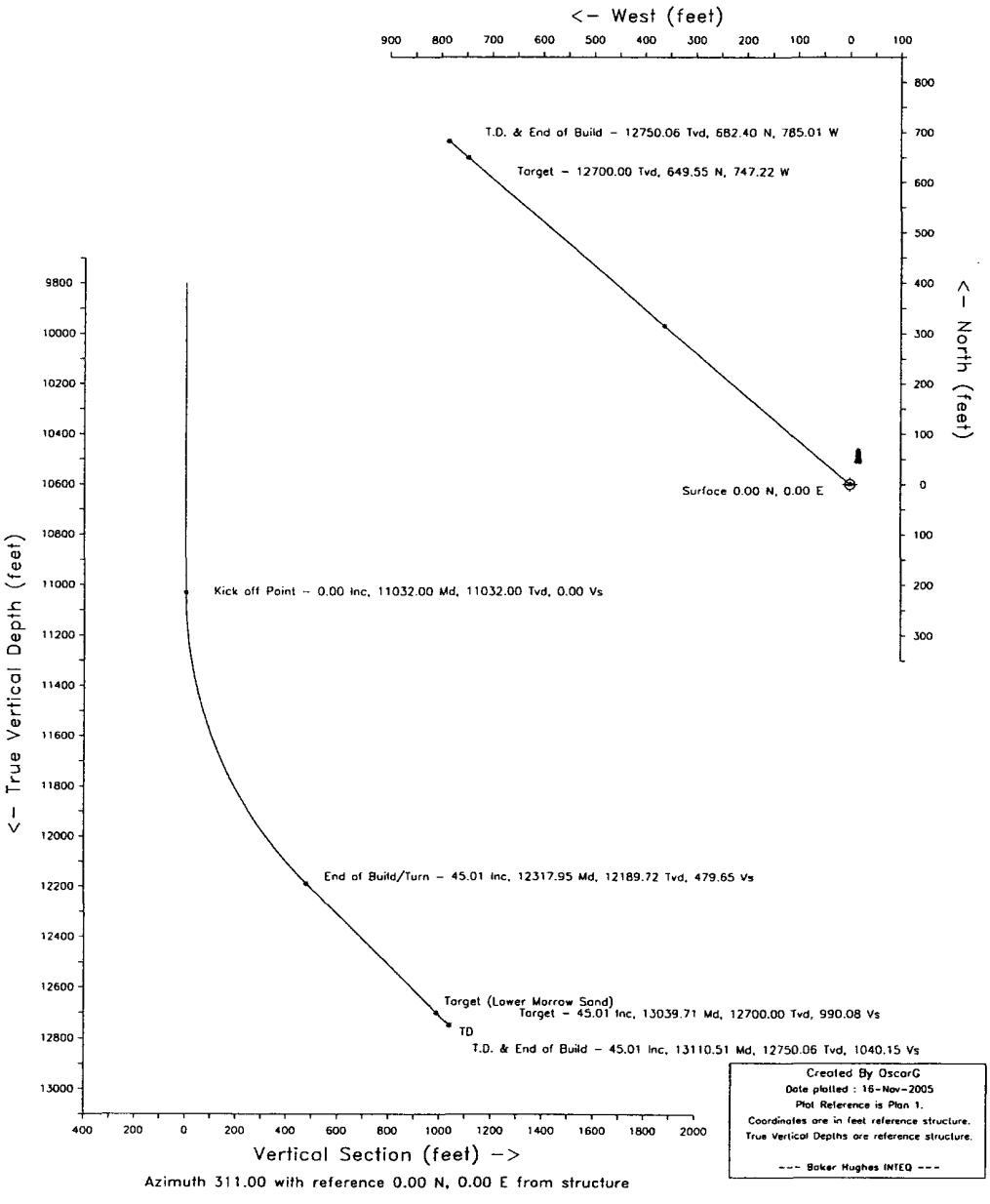
BAKER HUGHES
INTEQ

DEVON ENERGY

Structure : NE Loving 34 Fed 1 S/T 1 Slot : slot #1

Field : Location : Eddy County New Mexico





Created By OscarG
Date plotted : 16-Nov-2005
Plot Reference is Plan 1.
Coordinates are in feet reference structure.
True Vertical Depths are reference structure.

--- Baker Hughes INTEQ ---

Proposal No: 335551715A

Devon Energy Corporation
NE Loving 34 Federal #1

API # 30-015-24718-0000
Dublin Ranch Field
Sec.34 - 22S - 28E
Eddy County, New Mexico
November 15, 2005

Cement Recommendation

Prepared for:
Jim Blount
Operations Engineer
Oklahoma City, Oklahoma
Bus Phone: (405) 228-4301

Prepared by:
Scott Nelson
Region Engineer
Oklahoma City, Oklahoma
Bus Phone: (405) 552-4524

POWERVISION®

POWERPRO • POWERTRAX • POWERLINK

Service Point:
Artesia
Bus Phone: (505) 746-3140
Fax: (505) 746-2293

Service Representatives:
Mark Malone
Manager, Region Technical
Bus Phone: (432) 683-2781

Operator Name: Devon Energy Corporation
Well Name: NE Loving 34 Federal #1
Job Description: Liner
Date: November 15, 2005

Proposal No: 335551715A

JOB AT A GLANCE

Depth (TVD)	12,750 ft
Depth (MD)	13,110 ft
Hole Size	6.125 in
Liner Size/Weight :	4 1/2 in, 11.6 lbs/ft
Pump Via	Drill Pipe 3 1/2" O.D. (2.764" .I.D) 13.3 Casing 4 1/2" O.D. (4.000" .I.D) 11.6
Total Mix Water Required	1,691 gals
Spacer	
Fresh Water	5 bbls
Density	8.3 ppg
Spacer	
Turbo Flow III	40 bbls
Density	12.5 ppg
Cement Slurry	
Class H	328 sacks
Density	15.6 ppg
Yield	1.19 cf/sack
Displacement	
Displacement Fluid	119 bbls

Operator Name: Devon Energy Corporation
Well Name: NE Loving 34 Federal #1
Job Description: Liner
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WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
6.276 CASING	11,032	11,032
6.125 HOLE	13,110	12,750

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
4.500	4.000	11.6	13,110	12,750

Drill Pipe 3.5 (in) OD, 2.764 (in) ID, 13.3 (lbs/ft) set @	10,307 ft
Casing 4.5 (in) OD, 4.0 (in) ID, 11.6 (lbs/ft) set @	13,110 ft
Depth to Top of Liner	10,307 ft
Float Collar set @	13,030 ft
Mud Density	10.50 ppg
Est. Static Temp.	188 ° F
Est. Circ. Temp.	149 ° F

VOLUME CALCULATIONS

300 ft	x	0.2148 cf/ft	with	0 % excess	=	64 cf
725 ft	x	0.1044 cf/ft	with	0 % excess	=	76 cf
2,078 ft	x	0.0942 cf/ft	with	25 % excess	=	245 cf
80 ft	x	0.0873 cf/ft	with	0 % excess	=	7 cf (inside pipe)
				TOTAL SLURRY VOLUME	=	392 cf
					=	70 bbls

Operator Name: Devon Energy Corporation
Well Name: NE Loving 34 Federal #1
Job Description: Liner
Date: November 15, 2005

Proposal No: 335551715A

FLUID SPECIFICATIONS

Spacer — 5.0 bbls Fresh Water @ 8.34 ppg

Spacer — 40.0 bbls Turbo Flow III @ 12.5 ppg

FLUID	VOLUME CU-FT		VOLUME FACTOR		AMOUNT AND TYPE OF CEMENT
Cement Slurry	392	/	1.19	=	328 sacks Class H Cement + 1% bwoc FL-62 + 0.2% bwoc FL-52A + 0.5% bwoc CD-32 + 0.75% bwoc EC-1 + 0.1% bwoc R-3 + 45.7% Fresh Water

Displacement — 118.8 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO. 1
Slurry Weight (ppg)	15.60
Slurry Yield (cf/sack)	1.19
Amount of Mix Water (gps)	5.16
Estimated Pumping Time - 70 BC (HH:MM)	3:30
Free Water (mls) @ 149 ° F @ 90 ° angle	0.0
Fluid Loss (cc/30min) at 1000 psi and 149 ° F	30.0
COMPRESSIVE STRENGTH	
12 hrs @ 188 ° F (psi)	1600
24 hrs @ 188 ° F (psi)	2200
72 hrs @ 188 ° F (psi)	2700

ACTUAL CEMENT VOLUMES MAY VARY BASED ON CALIPER.

MIX THE TURBO FLOW III SPACER ON THE FLY.

BATCH MIX THE LINER CEMENT SLURRY.

Operator Name: Devon Energy Corporation
Well Name: NE Loving 34 Federal #1
Job Description: Liner
Date: November 15, 2005

Proposal No: 335551715A

PRICE ESTIMATE

Product Material

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
328	94lbs	Class H Cement	2,569.22
31	lbs	R-3	34.24
40	bbls	Turbo Flow III, 12.5 - 12.9 ppg	1,663.20
62	lbs	FL-52A	501.27
155	lbs	CD-32	615.20
232	lbs	EC-1	526.18
309	lbs	FL-62	1,998.61
		Product Material Subtotal:	$7,907.92

Service Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	ea	Personnel Surcharge - Cement Svc	53.97
1	4hrs	Batch Mix Truck, 100-150 bbl, 1st 4 Hrs	863.10
4	hrs	Batch Mix Truck, 100-150 bbl, Loc. Time	209.58
349	cu ft	Bulk Materials Service Charge	419.22
		Service Charges Subtotal:	$1,545.87

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.
This quotation is based on BJ Services Company being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

Operator Name: Devon Energy Corporation
Well Name: NE Loving 34 Federal #1
Job Description: Liner
Date: November 15, 2005

Proposal No: 335551715A

PRICE ESTIMATE

Equipment

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	8hrs	Cement Pump Tubing, 13001 - 14000 ft	7,518.00
1	job	Cement Head	189.84
1	job	Data Acquisition, Cement, Standard	493.50
270	miles	Mileage, Heavy Vehicle	703.08
90	miles	Mileage, Auto, Pick-Up or Treating Van	133.43
1	6hrs	Cement Pump, Reserve, 1st 6 hrs	1,176.00
2	hrs	Cement Pump, Reserve, After 6 hours	302.40
1	job	Centrifugal Transfer Pump, Trailer	361.20
		Equipment Subtotal:	$10,877.45

Freight/Delivery Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
711	tonmi	Bulk Delivery, Dry Products	621.13
		Freight/Delivery Charges Subtotal:	$621.13
		TOTAL:	**$20,952.37**

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.
This quotation is based on BJ Services Company being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. **If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.**

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

PRODUCT DESCRIPTIONS

CD-32
A patented, free-flowing, water soluble polymer that is an efficient and effective dispersant for primary and remedial cementing.

Class H Cement
Class H cement is an API type, all purpose oil well cement which is used without modification in wells up to 8,000 ft. It possesses a moderate sulfate resistance. With the use of accelerators or retarders, it can be used in a wide range of well depths and temperatures.

EC-1
A proprietary product that provides expansive properties and improves bonding at low to moderate temperatures.

FL-52A
A water soluble, high molecular weight fluid loss additive used in medium to low density slurries. It is functional from low to high temperature ranges.

FL-62
A patented dry blend of water soluble polymers that are formulated to control the loss of fluid during cementing operations. A dispersant and bonding additive are proportioned to deliver consistent performance and control fluid loss in primary and squeeze cementing applications at low to moderate temperatures.

R-3
A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.

Turbo Flow III
A water-based weighted cement spacer designed for water based drilling muds. Turbo Flow III easily achieves turbulence in most hole geometries and is compatible with cements and most drilling muds.