

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.
30-015-33501

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Douglas Com (4881 Property Code)

8. Well Number
2

9. OGRID Number
9812

10. Pool name or Wildcat
Carlsbad; Morrow, South (Pro Gas) 73960

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other AMENDED

2. Name of Operator
HEC Petroleum, Inc.

3. Address of Operator
500 W. Illinois Midland, Texas 79701

4. Well Location

Unit Letter H : 2350 feet from the North line and 190 feet from the East line
Section 7 Township 22S Range 27E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3098' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☒

OTHER: Move surface location to comply with City of Carlsbad ☐ OTHER: SPUD & Surface Csg. Sundry ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

THIS IS AN AMENDED C-103 TO SHOW MORE DETAILS W/O ATTACHMENTS per OCD request on 8/26/04.

Spud Well

On 8/09/2004, MIRU Nabors Rig #715 and spud well (17-1/2" hole) @ 7:45 pm.

Surface Casing/Cement

On 8/11/2004, TD 17-1/2" hole & RIH w/9jts. 13-3/8", 48#, H-40 csg. & set @ 445' w/485 sx Class "C" cmt w/2% CaCl mixed @ 6.34 GPS (Yld: 1.34 ft³/sk, Wt: 14.8 PPG). Circulated 72 sx cmt. to surface. WOC from 7:30 pm 8/11/04 to 7:00pm 8/12/04 (or 23.5 hrs.). Tested to 500psi. Tagged cmt. @ 384'. Drilled cmt. and float equipment w/40k, 50rpm to 479'. Ran wireline survey. Drilled f/479' - 793', end 8/12/04. Current operations, drilling ahead.

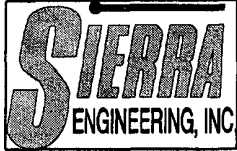
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Alan W. Bohling TITLE Regulatory Agent DATE 08/27/2004

Type or print name: Alan W. Bohling E-mail address: abohling@pureresources.com Telephone No. (432) 498-8662

For State Use Only

APPROVED BY: _____ FOR RECORDS ONLY TITLE _____ DATE AUG 30 2004
Conditions of Approval (if any): _____



Well Name Douglas Com #2 Date 8/10/2004 Page 1 of 1

CASING DETAIL FROM BOTTOM TO TOP

Measured Depth 445

Bit Size 17 1/2"

	Size	Length	Grade	Joints	Weight	Connection	Bottom (ftKB)	Top (ftKB)
	13 3/8"	0.9	Standard	TP Shoe	Standard	8rd ST&C	445	444.1
	13 3/8"	45.08	H-40	1	48	8rd ST&C	444.1	399.02
	13 3/8"	0	Standard	Int/fit	Standard	8rd ST&C	399.02	399.02
	13 3/8"	357.55	H-40	8	48	8rd ST&C	399.02	41.47
	13 3/8"	17.47	H-40	cut/jnt	48	8rd ST&C	41.47	25
	Below/Gr	3						22
	KB	22						0

	<u>448.27</u>	Total Pipe Run in Hole
-	<u>27.27</u>	Less Cutoff Piece
=	<u>445</u>	Total Pipe Left in Hole
+	<u>25</u>	RKB to Cutoff
=	<u>445</u>	Total Setting Depth

Centralizers # Run Placement Depths :

Weatherford Latch-On Standard 10' every 3rd jnt

Other Cementing Aids:

Primary Cementing Detail Cementing Company B.J.

Lead Type C Vol 485 PG 14.8 Yiel 1.34 ft3/sk Mix Wtr 6.34 Gal/s

Additives: 2% Cal Clor

Tail Type PP Vol 14.8 Yield ft3/sk Mix Wtr Gal/s

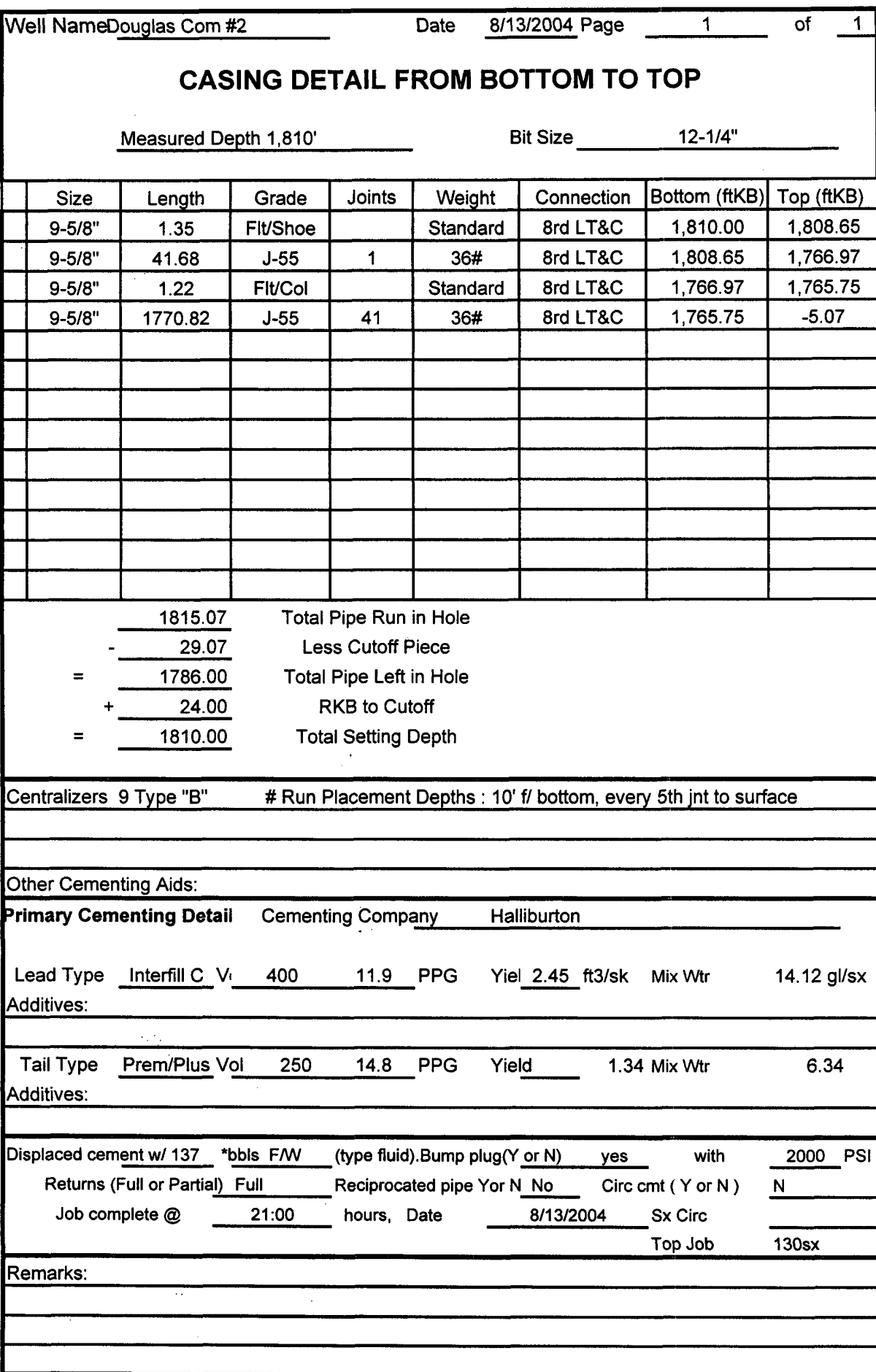
Additives:

Dis cement w/ : 63.2 bt F/W (type fluid).Bump plug(Y or N) Y with 500 PSI

Returns (Full or Partial) Full Reciprocated pipe Yor N N Circ cmt (Y or N) Y

Job complete @ 19:30 hours, Date 8/10/2003 Sx Circ 72

Remarks:



PURE RESOURCES - SIERRA ENGINEERING										Daily Drilling Report															
Well Name					Douglas Com #2					Field		Carlsbad Morrow South													
Date		8/16/2004		Days on Report		7		TD		2544		Progress		734											
Last Csg		9 5/8		@		1800		Next Csg		7		@		9000		Contr. & Rig#		Nabors #715							
Operations at Report Time					Drilling 65fph																				
Operations this Report Period					Tested BOP. Drilled out float equipment. 2 BOP drills, 2 wireline surveys																				
Operations Next Report Period					Bore a hole deeper and cheaper into the earth. Looking for hydrocarbins																				
From		To		Time		Code		Descriptions of Daily Activities (incl. drilling start and end depths)																	
6:00		8:30		2.50		470		Safety meeting. Finish testing. BOP. Ran accumulator performance test.																	
								Tested seperator, flare line, panic line to 150psi.																	
8:30		12:45		4.25		411		Safety meeting. Rig up pick-up, bit #3, BHA #3. TIH																	
12:45		13:15		0.50		299		Safety meeting. Broke circulation. Washed f/ 1,703' to 1,784'.																	
13:15		14:00		0.75		485		Drilled: cement, plug, float, cement, shoe w/ 40k, 50rpm.																	
14:00		16:45		2.75		210		Drilled f/ 1,810' to 1,889' w/ 40k, 50rpm (average 28.7fph)																	
16:45		17:00		0.25		281		BOP drill. Well secured 1:00. SPR thru choke.																	
17:00		19:15		2.25		210		Drilled f/ 1,889' to 1,951' w/ 40k, 50rpm (average 27.6fph)																	
19:15		19:30		0.25		281		BOP drill. Well secured 1:20. SPR thru choke.																	
19:30		19:45		0.25		240		Safety meeting. Ran wireline survey.																	
19:45		3:30		7.75		210		Drilled f/ 1,951' to 2,449' w/ 65k, 70rpm (average 64.3fph)																	
3:30		3:45		0.25		240		Safety meeting. Ran wireline survey.																	
3:45		5:15		1.50		210		Drilled f/ 2,449' to 2,544' w/ k, rpm (average 63.3fph)																	
5:15		6:00		0.75		874		Safety meeting. Pump repair.																	
DRILLPIPE	Size (OD)		Wt/Ft		Grade		Connection		Jts in Hole		Length		Jts on Loc												
	4 1/2		20		X-95		XH		51		1588.11		328												
	4 1/2		20		G-105		XH						53												
Survey #		Depth		Incline		Azimuth		Survey #		Depth		Incline		Azimuth											
7		1903		1.25																					
8		2401		0.75																					
BITS	#	Size		Make		Type		Serial #		Nozzles		Out At		Footage		Cutting Struct.		B		G					
	3	8 3/4		Smith		F-27I		MR-6089		11 11 11				734											
	Bit Hours		Start depth		End depth		Remarks:																		
	15		1810		2544																				
MUD	Depth	Wt		VIS		PV		YP		Gels		API WL		FC		HTHP WL		Sand		Solids%		Cl		pH	
	2480	8.6		29																				11.5	
	Elec St	Oil/Wtr		Diesel %		Comment		Circulating reserve																	
MUD LOG																									
I H T M O		BGG		CG		Trip Gas		Formation/Lithology Description																	
N V A N		5						100% Sand																	
								*Next Top Cherry Canyon @ 2,685'																	
PUMPS	#	Type		Press (max)		Liner Size		Bit HHP		SPM		Stroke Length		GPM		Jet Nozzle Area		AV DP		AV DC					
	1	PZ-10		1800		6				100		10		350		0.2784		152		250					
	2	PZ-10				6						10													
DRILL PARAMETERS	Hrs on BHA/ Jars	Cum Rot. Hrs.		Today's ROP		Torque		Rot weight		Pick up weight		S/O weight		BHA Wt Air		BHA Wt Mud		WOB (1000 lbf)		Start Depth		End Depth		Rotary RPM	
	5	5						120		120		115		83		72		40		1810		1951		50	
	10	10																65		1961		2544		70	
	15	64.5																							
ACCIDENTS ?		Name & Soc Sec #																							
comment/ time lost																									
Slow Pump Rate		Pump#		SPM		Press.		Pump#		SPM		Press.		Pump#		SPM		Press.							
		1		45		300																			
COST	Daily Drilling Cost		\$20,701																						
	Daily Comp. Cost																								
	Cum Drilling Cost		\$406,019																						
	Cum Comp. Cost																								
	Total																								
A.F.E. Planned Total																									

[illegible]

PURE RESOURCES - SIERRA ENGINEERING										Daily Drilling Report															
Well Name		Douglas Corn #2					Field		Carlsbad Morrow South																
Date		8/14/2004		Days on Report		5		TD		1810		Progress		86											
Last Csg		9 5/8		@		1800		Next Csg		7		@		9000		Contr. & Rig#		Nabors #715							
Operations at Report Time										Running 1" pipe															
Operations this Report Period										TD w12-1/4" hole. Ran cemented 9-5/8. Picked up stack. Ran temp log															
Operations Next Report Period										Cement. Install "B" section. Nipple-up test. Pick-up BHA															
From		To		Time		Code		Descriptions of Daily Activities (incl. drilling start and end depths)																	
6:00		10:00		4.00		210		Drilled f/ 1724' to 1,810' w/ 50k, 90rpm (average 21.5fph)																	
10:00		11:15		1.25		420		Safety meeting. Pumped 2 sweeps. Circualed hole to run 9-5/8" casing.																	
11:15		11:30		0.25		240		Safety meeting. Dropped survey. Prepared floor for trip.																	
11:30		15:00		3.30		411		Safety meeting. Rigged up lay down machine. TOH, lay down BHA.																	
15:00		16:15		1.25		430		Safety meeting. Rigged up casing crew.																	
16:15		19:30		3.50		440		Safety meeting. Ran 1,812.50' 42jnt 9-5/8" 36# K-55 ST&C																	
19:30		20:00		0.50		445		Safety meeting. Rigged up Halliburton. Washed to bottom, 2' fill.																	
20:00		20:45		0.75		450		Safety meeting. Cemented w/ 400sx lead, 250sx tail. 0sx to surface																	
20:45		21:00		0.25		480		Safety meeting. Tested casing to 2,000psi.																	
21:00		1:15		4.25		455		Waited on cement. (picked up BOP)																	
1:15		2:30		1.25		496		Safety meeting. Ran temp survey. Inside TD 1,769', Cement top 710'																	
2:30		6:00		3.50		499		Safety meeting. Running 1" pipe, working by tight spots.																	
DRILLPIPE	Size (OD)		Wt/Ft		Grade		Connection		Jts in Hole		Length		Jts on Loc												
	4 1/2		20		X-95		XH						328												
	4 1/2		20		G-105		XH						53												
Survey #		Depth		Incline		Azimuth		Survey #		Depth		Incline		Azimuth											
6				misrun																					
BITS	#	Size		Make		Type		Serial #		Nozzles		Out At		Footage		Cutting Struct.		B		G					
	2rr	12 1/4		Smith		F-37C		MR-4761		15 15 15				1279		3 8 BT		HR E							
	Bit Hours		Start depth		End depth		Remarks:																		
	31.5		445		1724																				
MUD	Depth	Wt		VIS		PV		YP		Gels		API WL		FC		HTHP WL		Sand		Solids%		Cl		pH	
	1256	8.7		28		1		1		1 1 1		NC								0.5		33000		12	
	Elec St	Oil/Wtr		Diesel %		Comment		Circulating reserve																	
MUD LOG																									
Depth		BGG		CG		Trip Gas		Formation/Lithology Description																	
PUMPS	#	Type		Press (max)		Liner Size		Bit HHP		SPM		Stroke Length		GPM		Jet Nozzle Area		AV DP		AV DC					
	1	PZ-10		1700		6				80		10		280		0.5177		106		159					
	2	PZ-10				6				80		10		280											
DRILL PARAMETERS	Hrs on BHA/ Jars	Cum Rot. Hrs.		Today's ROP		Torque		Rot weight		Pick up weight		S/O weight		BHA Wt Air		BHA Wt Mud		WOB (1000 lbf)		Start Depth		End Depth		Rotary RPM	
	4	4		21.5										66		58		50		1724		1810		90	
	35.5	35.5																							
ACCIDENTS ?		Name & Soc Sec #																							
comment/ time lost:																									
Slow Pump Rate		Pump#		SPM		Press.		Pump#		SPM		Press.		Pump#		SPM		Press.							
COST	Daily Drilling Cost		\$64,982																						
	Daily Comp. Cost																								
	Cum Drilling Cost		\$341,938																						
	Cum Comp. Cost																								
	Total																								
A.F.E. Planned Total																									

PURE RESOURCES - SIERRA ENGINEERING										Daily Drilling Report																	
Well Name		Douglas Com #2										Field		Carlsbad Morrow South													
Date		8/13/2004		Days on Report		4		TD		1724		Progress		931													
Last Csg		13-3/8		@		445		Next Csg		9 5/8		@		1800		Contr. & Rig#		Nabors #715									
Operations at Report Time										Drilling 29fph																	
Operations this Report Period										Drilled f/ 793' to 1,724'. Ran two surveys, one BOP drill.																	
Operations Next Report Period										TD 12-1/4" hole @ 1,810'. Run cement 9-5/8" casing. Nipple-up & test.																	
From		To		Time		Code		Descriptions of Daily Activities (incl. drilling start and end depths)																			
6:00		10:00		4.00		210		Drilled f/ 793' to 973' w/ 50k, 80rpm (average 45fph)																			
10:00		10:15		0.25		240		Safety meeting. Ran wireline survey @ 925' = 1.25deg.																			
10:15		10:30		0.25		290		Safety meeting. Serviced rig.																			
10:30		19:30		9.00		210		Drilled f/ 973' to 1,349' w/ 50k, 90rpm (average 41.8fph)																			
19:30		19:45		0.25		281		BOP drill. Well secured 1:12. Slow pump rate 250psi @ 60spm.																			
19:45		22:45		3.00		210		Drilled f/ 1,349' to 1,473' w/ 50k, 90rpm (average 41.3fph)																			
22:45		23:45		1.00		240		Safety meeting. Ran wireline survey @ 1,425' = 1.5deg																			
								Could not make up kelly, 80+ mph winds w/ hail, heavy rain.																			
23:45		6:00		6.25		210		Drilled f/ 1,473' to 1,724' w/ 50k, 90rpm (average 40.2fph)																			
								Carlsbad major called to check, and to commend operations.																			
DRILLPIPE	Size (OD)		Wt/Ft		Grade		Connection		Jts in Hole		Length		Jts on Loc														
	4 1/2		20		X-95		XH		38		1185.64		328														
	4 1/2		20		G-105		XH						53														
Survey #		Depth		Incline		Azimuth		Survey #		Depth		Incline		Azimuth													
4		925		1.25																							
5		1425		1.5																							
BITS	#	Size	Make	Type	Serial #	Nozzles		Out At		Footage		Cutting Struct.		B	G												
	2rr	12 1/4	Smith	F-37C	MR-4761	15	15	15			1279																
	Bit Hours		Start depth		End depth		Remarks:																				
	9.25		445		1724																						
MUD	Depth	Wt	VIS	PV	YP	Gels	API WL	FC	HTHP WL	Sand	Solids%	Cl	pH														
	1256	8.7	28	1	1	1 1 1	NC				0.5	33000	12														
	Elec St	Oil/Wtr	Diesel %	Comment																							
	Circulating reserve																										
MUD LOG																											
Depth		BGG		CG		Trip Gas		Formation/Lithology Description																			
PUMPS	#	Type		Press (max)		Liner Size		Bit HHP		SPM	Stroke Length	GPM	Jet Nozzle Area	AV DP	AV DC												
	1	PZ-10		1700		6				80	10	280	0.5177	106	159												
	2	PZ-10				6				80	10	280															
DRILL PARAMETERS	Hrs on BHA/ Jars	Cum Rot. Hrs.	Today's ROP	Torque	Rot weight	Pick up weight	S/O weight	BHA Wt Air	BHA Wt Mud	WOB (1000 lbf)	Start Depth	End Depth	Rotary RPM														
	4	4	45					66	58	50	793	973	80														
	18.25	18.25	41.2		99	105	90			50	973	1724	90														
	31.5	31.5																									
ACCIDENTS ?		Name & Soc Sec #																									
comment/ time lost																											
Slow Pump Rate		Pump#	SPM	Press.	Pump#	SPM	Press.	Pump#	SPM	Press.																	
		1	60	250																							
COST	Daily Drilling Cost		-\$9,339																								
	Daily Comp. Cost																										
	Cum Drilling Cost		\$276,956																								
	Cum Comp. Cost																										
	Total																										
	A.F.E. Planned Total																										

Daily Drilling Report

[illegible]

PURE RESOURCES - SIERRA ENGINEERING										Daily Drilling Report															
Well Name		Douglas Corn #2										Field		Carlsbad Morrow South											
Date		8/10/2004		Days on Report		1		TD		293		Progress		235											
Last Csg		@		ft.		Next Csg		@		ft.		Contr. & Rig#		Nabors #715											
Operations at Report Time										Drilling 25fph															
Operations this Report Period										Finish rig up. Repair to rig. Drilled f/ 38' to 293'.															
Operations Next Report Period										Drill to 445'. Run and cement casing. Install "A" section. Nipple up BOP.															
From		To		Time		Code		Descriptions of Daily Activities (incl. drilling start and end depths)																	
6:00		14:00		8:00		141		Safety meeting. Finish move in rig up Nabors #715																	
14:00		16:30		2:30		141		Safety meeting. Welded on conductor pipe, mixed spud mud.																	
16:30		19:45		3:15		141		Safety meeting. Pre-spud inspection. Corrected to drilling standards.																	
19:45		22:00		2:15		210		Drilled f/ 58' to 169' w/ alk, 80rpm (average 49.3fph)																	
22:00		23:30		1:30		870		Safety meeting. Repaired fuse in SCR house.																	
23:30		:		1:00		874		Safety meeting. Worked on wash pipe.																	
0:30		1:00		0:30		240		Safety meeting. Ran wireline survey. Two runs.																	
1:00		6:00		5:00		210		Drilled f/ 169' to 293' w/ alk, 110rpm (average 24.8fph)																	
														Work and ream tight hole on each connection. Not cleaning hole.											
														At 175' returns thru mouse hole. One pump on hole, one pump on jet.											
														Received: 11jnt 492.05' 13-3/8" 48# H-40 ST&C (truckers tally)											
														Notified NMOC (Van) 10:30hr 8/9/02											
DRILLPIPE	Size (OD)		Wt/Ft		Grade		Connection		Jts in Hole		Length		Jts on Loc												
	4 1/2		20		X-95		XH						328												
	4 1/2		20		G-105		XH						53												
Survey #		Depth		Incline		Azimuth		Survey #		Depth		Incline		Azimuth											
1		121		0.5																					
BITS	#	Size	Make	Type	Serial #	Nozzles	Out At	Footage	Cutting Struct.	B	G														
	1	17-1/2	Sec	XT-16	744391	20 20 20		235																	
	Bit Hours		Start depth		End depth		Remarks:																		
	7.25		58		293																				
MUD	Depth	Wt	VIS	PV	YP	Gels	API WL	FC	m-p WL	Sand	Solids%	Cl	pH												
	293	8.8	36																						
	Elec St	Oil/Wt	Diesel %	Comment																					
MUD LOG																									
Depth		BGG		CG		Trip Gas		Formation/Lithology Description																	
PUMPS	#	Type	Press (max)	Liner Size	Bit HHP	SPM	Stroke Length	GPM	Jet Nozzle Area	AV DP	AV DC														
	1	PZ-10	3000	6		100	10	350	0.9204		35														
	2	PZ-10	3000	6																					
DRILL PARAMETERS	Hrs on BHA/ Jars	Cum Rot. Hrs	Today's ROP	Torque	Rot weight	Pick up weight	S/O weight	BHA Wt Air	BHA Wt Mud	WOB (1000 lbf)	Start Depth	End Depth	Rotary RPM												
	7.25	7.25			55	60	50			all	58	293	110												
ACCIDENTS ?																									
Name & Soc Sec #																									
comment/ time lost																									
Slow Pump Rate Pump# SPM Press. Pump# SPM Press. Pump# SPM Press.																									
COST	Daily Drilling Cost		\$183,895																						
	Daily Comp. Cost																								
	Cum Drilling Cost		\$183,895																						
	Cum Comp. Cost																								
	Total																								
	A.F.E. Planned Total																								