

District I - (505) 393-6161
1625 N. French Dr, Hobbs, NM 88240
District II - (505) 748-1283
1301 W. Grand Avenue, Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road, Aztec, NM 87410
District IV - (505) 476-3440
1220 So. St. Francis Dr., Santa Fe, NM 87505

New Mexico
Energy Minerals and Natural Resources Department

Form C-140
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
(505) 476-3440

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

17-05-00025

APPLICATION FOR
WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address CHEVRON U.S.A. INC 15 SMITH ROAD MIDLAND, TX 79705							OGRID Number 4323	
Contact Party DENISE PINKERTON							Phone 432-687-7375	
Property Name C. L. HARDY					Well Number 2		API Number 30-025-06685	
UL N	Section 20	Township 21-S	Range 37-E	Feet From The 554'	North/South Line SOUTH	Feet From The 2086'	East/West Line WEST	County LEA

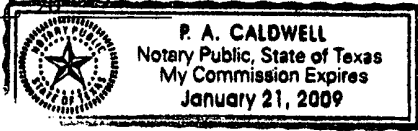
II. Workover

Date Workover Commenced: 1-20-05	Previous Producing Pool(s) (Prior to Workover): PENROSE SKELLY GRAYBURG - DHC GRAYBURG & DRINKARD
Date Workover Completed: 1-31-05	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of NEW MEXICO)
County of LEA) ss.
DENISE PINKERTON, being first duly sworn, upon oath states:
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.
Signature Denise Pinkerton Title REGULATORY SPECIALIST Date 5-17-05
E-mail Address leakejd@chevrontexaco.com
SUBSCRIBED AND SWORN TO before me this 23 day of May 2005
My Commission expires: Jan. 21, 2009 Notary Public


FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on

11/31/2005

Signature District Supervisor <u>[Signature]</u>	OCD District <u>1</u>	Date <u>6/2/05</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-06685
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	C.L. HARDY
8. Well No.	2
9. Pool Name or Wildcat	PENROSE SKELLY GRAYBURG/DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3495' GL

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.	
1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH RD, MIDLAND, TX 79705
4. Well Location	Unit Letter <u>N</u> : <u>554'</u> Feet From The <u>SOUTH</u> Line and <u>2086'</u> Feet From The <u>WEST</u> Line Section <u>20</u> Township <u>21-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3495' GL

11. 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 ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

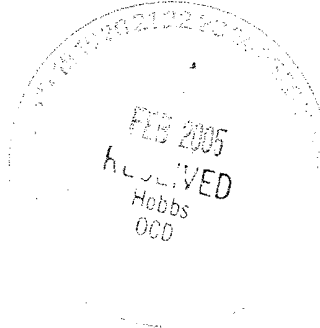
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: DHC GRAYBURG/DRINKARD #DHC-3306 ☒

12. 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.

1-20-05: MIRU. TOH W/RDS & PMP. TIH W/BIT & WS. TAG FILL @ 4887. PUH. EOT @ 3910.
1-21-05: SPOT 16 BLS 15% HCL ACR PERFS 3910-3500. PU TO 3500. PUMP 56 BBLS ACID. FLUSH W/20 BBLS 8.6 DN TBG & 100 BBLS 8.6 DN CSG.
1-24-05: TIH W/WS TO 4883. TAG @ 4883. C/O SCALE FR 4883-4991. PUH TO 3750.
1-25-05: PUMP 20 BBLS TBG, 60 BBLS CSG (10# BRINE) TO KILL WELL. TIH W/RETR TOOL FOR RBP. TAG @ 4950. PUH TO 3750. C/O FILL FR 4950-5005. TAG CIBP. LATCH ONTO RBP & RELEASE. TIH W/BIT & TBG.
1-26-05: TIH W/TBG & TAG FILL @ 6637. (38' OF FILL). TIH W/PKR TO 3538. SET PKR.
1-27-05: REL PKR. TIH TO 6351. SET PKR. PUMP 71 BBLS 15% HCL. SWAB. REL PKR. TOH W/2 7/8" WS. SET PKR @ 3538.
1-28-05: TIH W/2 7/8" PROD TBG W/TAC TO 6632.
1-31-05: TIH W/PMP & RODS. LOAD & TEST WELL. RIG DOWN. TURN WELL OVER TO PRODUCTION.
FINAL REPORT

2-05-05: ON 24 HR OPT. PUMPING 30 OIL, 567 GAS, & 298 WATER. GOR-18888

GRAYBURG - OIL - 34%, GAS - 91%
DRINKARD - OIL - 66%, GAS - 9%



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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 2/22/2005
TYPE OR PRINT NAME Denise Pinkerton Telephone No. 432-687-7375

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

DATE

MAR 02 2005

Name: 2G DHC ID: 30025066850004 Type: Completion Format: [p] Comp - CDProd vs Time

WELL_LABEL:CLHARDY2G DHC

FIELD_CODE:U49

PROD_METH:PR

LASTOCUM:4.0689

CHEVNO:FA7786

FIELD:FLD-PENROSE SKELLY

CLASS_CODE:OI

LASTGCUM:74.9830

SIDETRACK:0

LEASE:HARDY C L

SAP_CODE:UCU493600

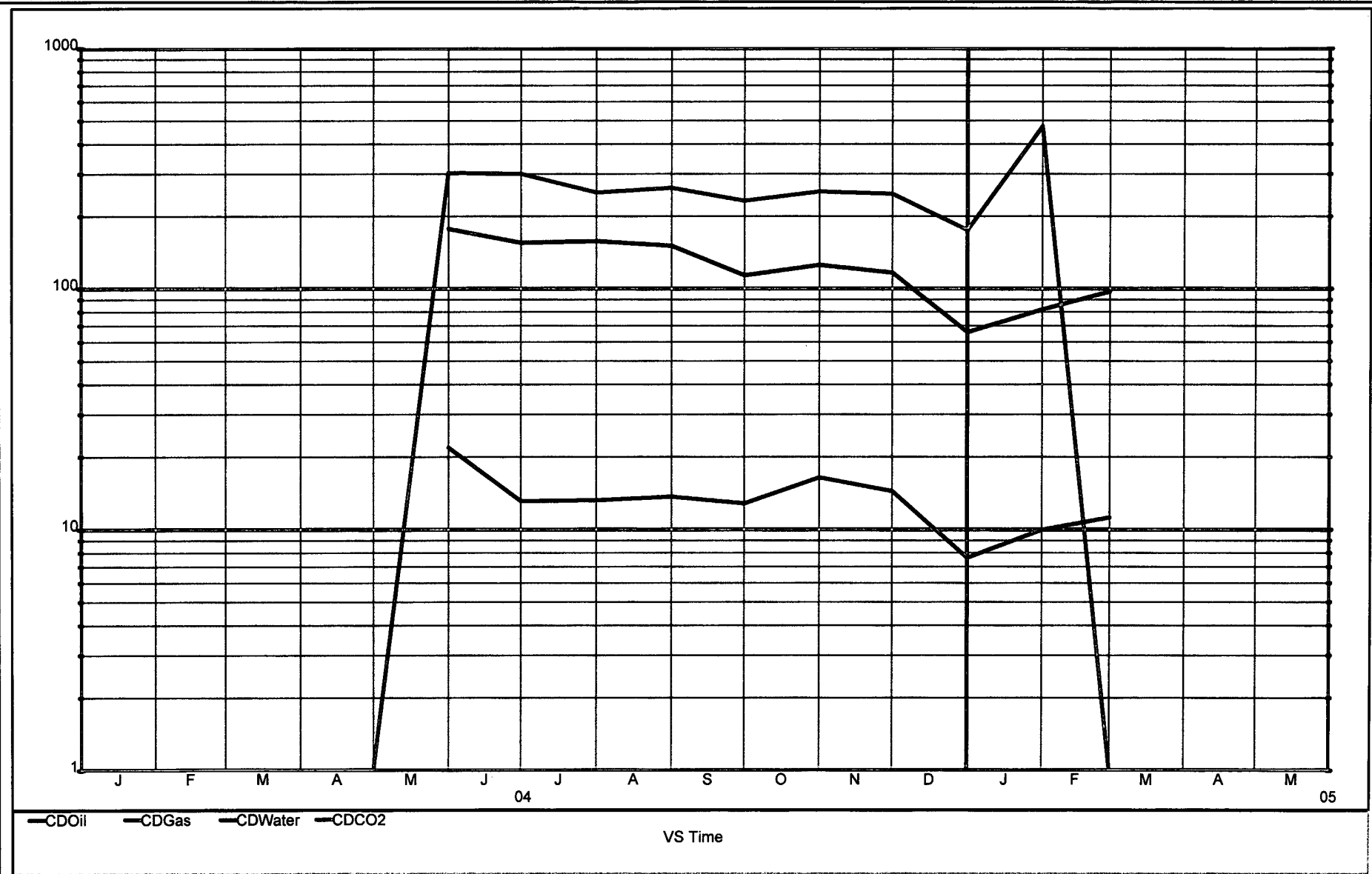
CC_NM:HARDY C L-GRAYBURG

COMP_NUM:04

SEC-T-R:20 - S021 - E037

RES_CODE:0000006848

RES:GRAYBURG



Name: 2D DHC ID: 30025066850003 Type: Completion Format: [p] Comp - CDProd vs Time

WELL_LABEL:HARDY2D DHC

FIELD_CODE:U41

PROD_METH:PR

LASTOCUM:273.2606

CHEVNO:FA7786

FIELD:FLD-DRINKARD

CLASS_CODE:OI

LASTGCUM:461.8635

SIDETRACK:0

LEASE:HARDY C L

SAP_CODE:UCU413300

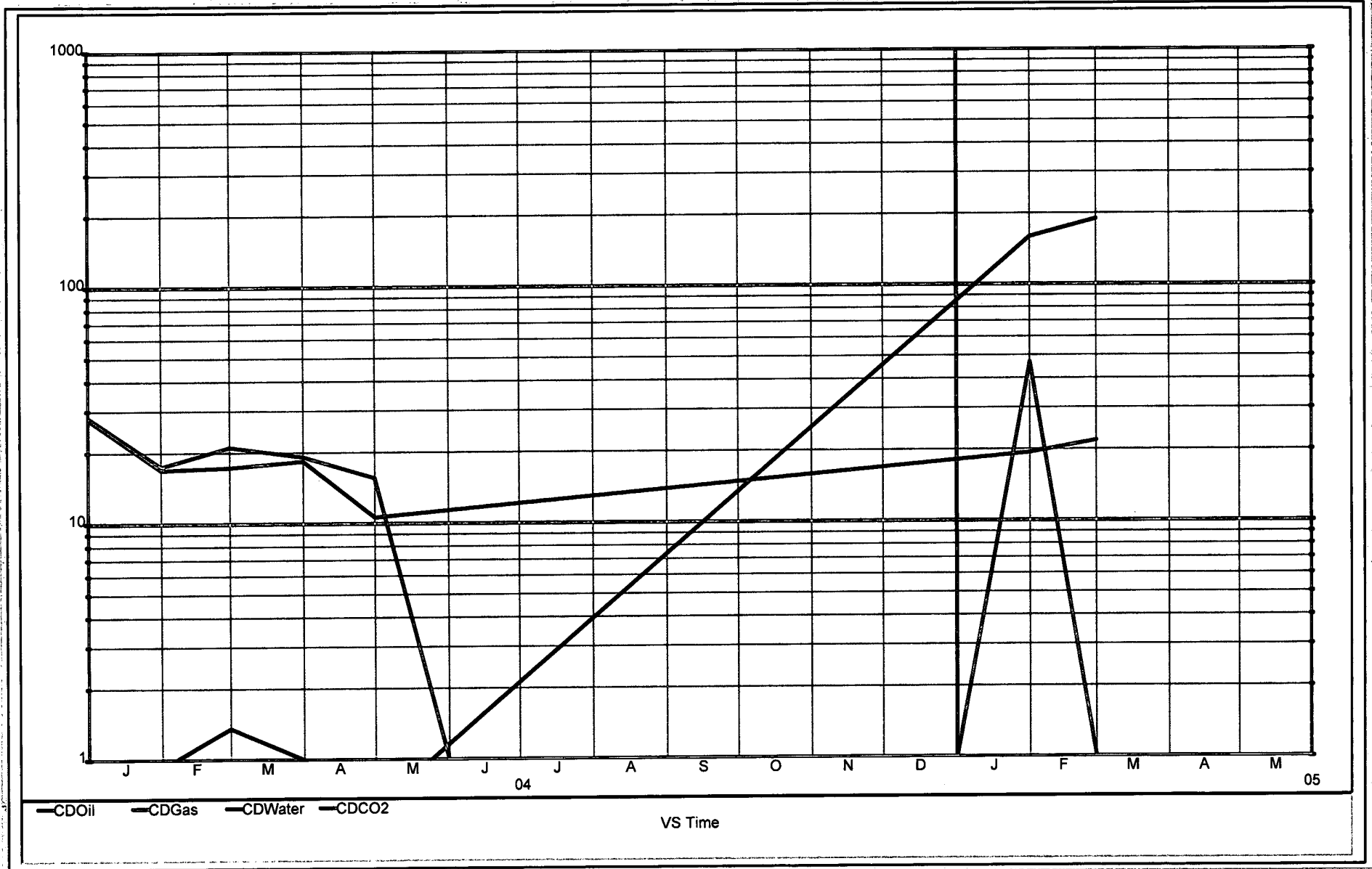
CC_NM:HARDY C L-DRINKARD

COMP_NUM:03

SEC-T-R:20 - S021 - E037

RES_CODE:0000005817

RES:DRINKARD



Well	Completion Number	Completion Date	Top MD	Bot MD	Reservoir	Field	Lease
2	01	10/20/1947	5774	5909	BLINEBRY	FLD-BLINEBRY OIL & GAS	HARDY C L
2	02	02/03/1960	5148	5155	PADDOCK	FLD-PADDOCK	HARDY C L
2D DHC	03	12/06/1988	6526	6787	DRINKARD	FLD-DRINKARD	HARDY C L D
2G DHC	04	06/01/2004	6526	6787	GRAYBURG	FLD-PENROSE SKELLY	HARDY C L DH
2D PARENT	99	01/01/1801	6526	6787	DRINKARD	FLD-PENROSE SKELLY	HARDY C L PAR

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
05-19-2005		14.52	50.38	25445	161.04	91.7	0	PR	0	0	0	0
05-17-2005		14.52	50.38	25445	162.36	91.8	0	PR	0	0	0	0
05-04-2005		15.18	51.7	24977	155.1	91.1	0	PR	0	0	0	0
05-03-2005		15.84	51.7	23937	164.34	91.2	0	PR	0	0	0	0
05-02-2005		15.84	51.18	23692	166.98	91.3	0	PR	0	0	0	0
04-28-2005		0	0	0	0	0	0	PR	0	0	0	0
04-20-2005		16.5	60.09	26705	179.52	91.6	0	PR	0	0	0	0
04-07-2005		19.8	64.6	23921	155.1	88.7	0	PR	0	0	0	0
03-22-2005		21.8	66.9	22518	186.1	89.5	0	PR	0	0	0	0
03-21-2005		24.4	67.7	20322	178.2	87.9	0	PR	0	0	0	0
03-20-2005		14.5	66.4	33510	127.4	89.8	0	PR	0	0	0	0
03-04-2005		30.4	68.7	16602	194.7	86.5	0	PR	0	0	0	0
03-03-2005		35	64.4	13503	183.5	84	0	PR	0	0	0	0
02-28-2005		27.7	59	15615	192.7	87.4	0	PR	0	0	0	0
02-19-2005		25.7	66.2	18853	190.7	88.1	0	PR	0	0	0	0
02-18-2005		25.7	59.6	16967	229.7	89.9	0	PR	0	0	0	0
02-17-2005		31	57.2	13516	190.7	86	0	PR	0	0	0	0
02-13-2005		32.3	64.2	14565	136	80.8	0	PR	0	0	0	0
02-12-2005		37	71.3	14145	154.4	80.7	0	PR	0	0	0	0
02-11-2005		33	69.4	15431	198.7	85.8	0	PR	0	0	0	0
02-10-2005		26.4	62.3	17303	134	83.5	0	PR	0	0	0	0
02-09-2005		31	61.9	14642	196.7	86.4	0	PR	0	0	0	0
02-08-2005		27.7	60.5	16012	207.2	88.2	0	PR	0	0	0	0
02-07-2005		25.7	58.2	16590	211.9	89.2	0	PR	0	0	0	0
02-06-2005		23.1	58.4	18542	277.2	92.3	0	PR	0	0	0	0
02-05-2005		19.8	51	18888	196.7	90.9	0	PR	0	0	0	0
05-14-2004		21	26	1238.0	1	4.5	37.1	PR	0	40	30	0
05-11-2004		22	26	1181.8	1	4.3	37.1	PR	0	40	30	0
05-10-2004		23	27	1173.9	1	4.2	37.1	PR	0	40	30	0
04-30-2004		20	23	1150	1	4.8	37.1	PR	0	40	30	0
03-31-2004		0	0	0	0	0	37.1	PR	0	40	30	0
03-29-2004		23	22	956.5	2	4.2	37.1	PR	0	40	30	0
03-28-2004		19	21	1105.2	1	5	37.1	PR	0	40	30	0
03-13-2004		22	20	909.0	1	4.3	37.1	PR	0	40	30	0
03-02-2004		22	15	681.8	2	8.3	37.1	PR	0	40	30	0
03-01-2004		21	14	666.6	1	4.5	37.1	PR	0	40	30	0
02-29-2004		21	15	714.2	1	4.5	37.1	PR	0	40	30	0
01-11-2004		23	21	913.0	1	4.2	37.1	PR	0	40	30	0
12-15-2003		20	6	300	0	0	37.1	PR	0	40	30	0
10-18-2003		21	5	238.0	0	0	37.1	PR	0	40	30	0
10-09-2003		18	6	333.3	4	18.2	37.1	PR	0	40	30	0
09-17-2003		0	0	0	0	0	37.1	PR	0	40	30	0
09-13-2003		18	26	1444.4	1	5.3	37.1	PR	0	40	30	0
08-30-2003		25	15	600	0	0	37.1	PR	0	40	30	0
08-08-2003		18	16	888.8	1	5.3	37.1	PR	0	40	30	0
07-02-2003		20	42	2100	2.4	10.7	37.1	PR	0	40	30	0
06-16-2003		21	39	1857.1	3	12.5	37.1	PR	0	40	30	0
05-16-2003		24	24	1000	2	7.7	37.1	PR	0	40	30	0
05-10-2003		20	23	1150	1	4.8	37.1	PR	0	40	30	0
05-09-2003		25	23	920	1	3.8	37.1	PR	0	40	30	0
04-29-2003		14	55	3928.5	4	22.2	37.1	PR	0	40	30	0
04-02-2003		15.2	46	3026.3	3.8	20	37.1	PR	0	40	30	0

Well	Completion Number	Completion Date	Top MD	Bot MD	Reservoir	Field	Lease
2	01	10/20/1947	5774	5909	BLINEBRY	FLD-BLINEBRY OIL & GAS	HARDY C L
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2D DHC	03	12/06/1988	6526	6787	DRINKARD	FLD-DRINKARD	HARDY C L DH
2G DHC	04	06/01/2004	6526	6787	GRAYBURG	FLD-PENROSE SKELLY	HARDY C L DH
2D PARENT	99	01/01/1801	6526	6787	DRINKARD	FLD-PENROSE SKELLY	HARDY C L PAR

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
05-19-2005		7.48	509.41	25445	82.96	91.7	0	PR	0	0	0	0
05-17-2005		7.48	509.41	25445	83.64	91.8	0	PR	0	0	0	0
05-04-2005		7.82	522.79	24977	79.9	91.1	0	PR	0	0	0	0
05-03-2005		8.16	522.79	23937	84.66	91.2	0	PR	0	0	0	0
05-02-2005		8.16	517.44	23692	86.02	91.3	0	PR	0	0	0	0
04-28-2005		0	0	0	0	0	0	PR	0	0	0	0
04-20-2005		8.5	607.54	26705	92.48	91.6	0	PR	0	0	0	0
04-07-2005		10.2	653	23921	79.9	88.7	0	PR	0	0	0	0
03-22-2005		11.2	676.2	22518	95.9	89.5	0	PR	0	0	0	0
03-21-2005		12.6	684.3	20322	91.8	87.9	0	PR	0	0	0	0
03-20-2005		7.5	670.9	33510	65.6	89.8	0	PR	0	0	0	0
03-04-2005		15.6	695	16602	100.3	86.5	0	PR	0	0	0	0
03-03-2005		18	651.3	13503	94.5	84	0	PR	0	0	0	0
02-28-2005		14.3	596.8	15615	99.3	87.4	0	PR	0	0	0	0
02-19-2005		13.3	669.1	18853	98.3	88.1	0	PR	0	0	0	0
02-18-2005		13.3	602.2	16967	118.3	89.9	0	PR	0	0	0	0
02-17-2005		16	578.1	13516	98.3	86	0	PR	0	0	0	0
02-13-2005		16.7	649.5	14565	70	80.8	0	PR	0	0	0	0
02-12-2005		19	720.8	14145	79.6	80.7	0	PR	0	0	0	0
02-11-2005		17	702.1	15431	102.3	85.8	0	PR	0	0	0	0
02-10-2005		13.6	629.8	17303	69	83.5	0	PR	0	0	0	0
02-09-2005		16	626.3	14642	101.3	86.4	0	PR	0	0	0	0
02-08-2005		14.3	612	16012	106.8	88.2	0	PR	0	0	0	0
02-07-2005		13.3	588.8	16590	109.1	89.2	0	PR	0	0	0	0
02-06-2005		11.9	590.6	18542	142.8	92.3	0	PR	0	0	0	0
02-05-2005		10.2	515.7	18888	101.3	90.9	0	PR	0	0	0	0
01-03-2005		14	291.17	20797	105	88.2	0	PR	0	0	0	0
01-01-2005		20	298.03	14901	110	84.6	0	PR	0	0	0	0
12-21-2004		15	315.68	21045	106	87.6	0	PR	0	0	0	0
12-19-2004		15	313.72	20914	107	87.7	0	PR	0	0	0	0
12-18-2004		14	317.64	22688	99	87.6	0	PR	0	0	0	0
11-14-2004		22	336.27	15285	145	86.8	0	PR	0	0	0	0
11-13-2004		8	272.54	34067	126	94	0	PR	0	0	0	0
11-12-2004		18	342.15	19008	150	89.3	0	PR	0	0	0	0
11-11-2004		8	347.05	43381	160	95.2	0	PR	0	0	0	0
11-01-2004		20	294.11	14705	86	81.1	0	PR	0	0	0	0
10-19-2004		24	325.48	13561	92	79.3	0	PR	0	0	0	0
10-18-2004		13	300.97	23151	109	89.3	0	PR	0	0	0	0
10-17-2004		9	302.93	33658	130	93.5	0	PR	0	0	0	0
09-24-2004		14	265.68	18977	153	91.6	0	PR	0	0	0	0
09-02-2004		13	269.6	20738	150	92	0	PR	0	0	0	0
09-01-2004		13	255.88	19683	143	91.7	0	PR	0	0	0	0
08-02-2004		15	250.97	16731	158	91.3	0	PR	0	0	0	0
07-13-2004		11	274.5	24954	135	92.5	0	PR	0	0	0	0
07-12-2004		16	295.09	18443	155	90.6	0	PR	0	0	0	0
07-11-2004		15	284.31	18954	142	90.4	0	PR	0	0	0	0
07-09-2004		11	293.13	26648	141	92.8	0	PR	0	0	0	0
07-06-2004		19	330.38	17388	146	88.5	0	PR	0	0	0	0
07-05-2004		11	332.34	30212	151	93.2	0	PR	0	0	0	0
06-30-2004		30	508.81	16960	269	90	0	PR	0	0	0	0
06-29-2004		29	449.99	15516	243	89.3	0	PR	0	0	0	0
06-28-2004		39	550.97	14127	309	88.8	0	PR	0	0	0	0

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
06-27-2004		34	459.79	13523.260		88.4	0	PR	0	0	0	0
06-26-2004		48	609.79	12703.356		88.1	0	PR	0	0	0	0
06-25-2004		48	635.28	13235.374		88.6	0	PR	0	0	0	0
06-24-2004		42	656.85	15639.418		90.9	0	PR	0	0	0	0
06-21-2004		38	626.45	16485.403		91.4	0	PR	0	0	0	0
06-20-2004		40	679.39	16984.422		91.3	0	PR	0	0	0	0
06-18-2004		35	749.98	21428.485		93.3	0	PR	0	0	0	0
06-17-2004		40	768.61	19215.483		92.4	0	PR	0	0	0	0