Form 3160-4 (October 1990)

## UNITED STATES SUBMIT IN DUPLICATE\* DEPARTMENT OF THE INTERIOR -AR STRUCTUON ON STRU

FOR APPROVED OMB NO. 1004-0137 Expires: December 31,1991

**BUREAU OF LAND MANAGEMENT** 

5. LEASE DESIGNATION AND SERIAL NO. NM-86025

										6. IF INDI	AN, ALL(	OTTEE OF	R TRIBE NAME
WELL CO	MPLETION	N OR	RECO	MPLE	TION	REPOR	TAN	D LC	G*	i			
1a. TYPE OF WEL	WE	LL 🛛	GAS WELL	] 。	RY 🗌	Other				7. UNIT A	GREEME	NT NAME	,
NEW [	WORK C	EPEN [	PLUG F	つ DIFI	vr. 🛛	Other	DHC	-3537		8 FARM	ORIE	SE NA	ME, WELL NO
2. NAME OF OPERAT	OVER L.		BACK L	RES	VR. 🔼	Other				i .			ral #12Y
COG Operating							uFC	EIVE	<b>-</b> D	9. API WE			
3. ADDRESS AND		) <u>.</u>					./[IAI .		*****	-	30-01	5 <b>-</b> 3077	2
550 W. Texas Suite 1300 Midland, TX 79701 (432) 685,4372 1 2006								IO. FIELD	IO. FIELD AND POOL, OR WILDCAT				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)										Grayburg Jackson SR Q G SA			
At surface At top prod. inte				9	90 FS	L 315 FEL	•	. 1007	~Ad	, -	., R., M.,		AND SURVEY
At total depth										Se	ec 17-	Г17S-F	30E
			<u></u>	14. PERMIT	NO.		DATE IS	SSUED		12. COUN	TY OR	13.	STATE
				14.7 6.400		1	DATE	330ED		12. COUN PARIS EC	ldy		NM
15. DATE SPUDDED	16. DATE T.D. REACH	IED	17. DATE C	OMPL. (Read	ty to prod.)	18.	ELEVATIO	ONS (DF, F	KB, RT, G	R, ETC.)*	19. E	EV. CASII	IG HEAD
8/23/99	9/5/99			4/3/0	6	Ì		367	0 RKB			36	58
20. TOTAL DEPTH, MD 8	L TVD 21. PLU	•	T.D., MD & TV 4698	/D 22	2. IF MULT HOW MA	IPLE COMPL.,		23. INTE	RVALS LED BY	ROTARY 1	OOLS	CAE	LE TOOLS
24. PRODUCING INTE	RVAL (S) OF THIS			ROTTOM	NAME (	MD AND TVD				<u> </u>	25	WASDI	RECTIONAL
24. PRODUCING INTE	invac (6), or Thio	COM EL									26.	SURVEY	
26. TYPE ELECTRIC	AND OTHER LOGS Gamma Ray,			4.5-4118			l Gam	ma Ra		<del></del>	27. V	/AS WELI	CORED
28.	<u></u>					eport all string					J		
CASING SIZE/GRADE	WEIGHT 1 B /F	т Т				LE SIZE		OP OF CE	MENT CE	MENTING RECO	RD.	AMO	JNT PULLED
CASING SIZE/GRADE	WEIGHT, LB/F	т	DEPTH SE	T (MD)	но	OLE SIZE			<del></del>	MENTING RECO	RD		UNT PULLED
13 3/8 K-55	54	r	DEPTH SE	T (MD)	но <b>1</b>	7 1/2			Circ 4	25sx	RD		None
13 3/8 K-55 8 5/8 K-55	54 24	т	DEPTH SE 424 111	T (MD) 4 7	но 1	7 1/2 2 1/4			Circ 4: Circ 6:	25sx 50sx	RD	i	None None
13 3/8 K-55	54	т	DEPTH SE	T (MD) 4 7	но 1	7 1/2			Circ 4	25sx 50sx	RD	i	None
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24		DEPTH SE 424 111 471	T (MD) 4 7	но 1	7 1/2 2 1/4	Ţ		Circ 4: Circ 6: 1000	25sx 50sx sx		i	None None
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24 15.5	LINER	424 111 471 RECORD	T (MD) 4 7	но 1	ole size 17 1/2 2 1/4 7 7/8	3	30.	Circ 4 Circ 6 1000	25sx 50sx sx tubing re	CORD		None None None
13 3/8 K-55 8 5/8 K-55	54 24	LINER	DEPTH SE 424 111 471	T (MD) 4 7	но 1	7 1/2 2 1/4	3	30. SIZE	Girc 4 Circ 6 1000	25sx 50sx sx TUBING RE	CORD		None None
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24 15.5	LINER	424 111 471 RECORD	T (MD) 4 7	но 1	ole size 17 1/2 2 1/4 7 7/8	3	30.	Girc 4 Circ 6 1000	25sx 50sx sx tubing re	CORD		None None None
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24 15.5	LINER I	424 111 471 RECORD	T (MD) 4 7	но 1	ole size 17 1/2 2 1/4 7 7/8	) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	30. SIZE 2.7/	Circ 4: Circ 6: 1000	25sx 50sx sx tubing re depth se 458	CORD (MD)	PACKI	None None None
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24 15.5	LINER I	424 111 471 RECORD	T (MD) 4 7	но 1	OLE SIZE 17 1/2 2 1/4 7 7/8  SCREEN (M	T()	30. SIZE 2 7/	Circ 4: Circ 6: 1000	25sx 50sx sx TUBING RE	CORD (MD) 2	PACKI	None None None
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24 15.5	LINER I	424 111 471 RECORD	T (MD) 4 7	но 1	DLE SIZE 17 1/2 2 1/4 7 7/8  SCREEN (M  32.  DEPTH IN	D) 3	30. SIZE 2 7/ D, SHOT	Circ 4: Circ 6: 1000	25sx 50sx sx tubing re depth se 458; fure, cemi	CORD  (MD)  ENT SQI  IND OF M	PACKI DEEZE,	None None ER SET (MD) ETC USED
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24 15.5	LINER I	424 111 471 RECORD	T (MD) 4 7	но 1	DLE SIZE 17 1/2 2 1/4 7 7/8  SCREEN (M  32.  DEPTH IN	T()	30. SIZE 2 7/ D, SHOT	Circ 4: Circ 6: 1000	25sx 50sx sx TUBING RE DEPTH SE 4582	CORD  (MD)  ENT SQI  IND OF M	PACKI DEEZE,	None None ER SET (MD) ETC USED
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55	54 24 15.5	LINER I	DEPTH SE 424 111 471 RECORD OM (MD)	T (MD) 4 7	но 1	DLE SIZE 17 1/2 2 1/4 7 7/8  SCREEN (M  32.  DEPTH IN	D) 3	30. SIZE 2 7/ D, SHOT	Circ 4: Circ 6: 1000	25sx 50sx sx tubing re depth se 458; fure, cemi	CORD  (MD)  ENT SQI  IND OF M	PACKI DEEZE,	None None ER SET (MD) ETC USED
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29.	TOP (MD)	LINER I	DEPTH SE 424 111 471 RECORD OM (MD)	T (MD) 4 7	HO 1	DLE SIZE 17 1/2 2 1/4 7 7/8  SCREEN (M  32.  DEPTH IN	D) 3	30. SIZE 2 7/ D, SHOT	Circ 4: Circ 6: 1000	25sx 50sx sx tubing re depth se 458; fure, cemi	CORD  (MD)  ENT SQI  IND OF M	PACKI DEEZE,	None None ER SET (MD) ETC USED
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE	54 24 15.5 T O P (MD)	LINER F BOTT	DEPTH SE 424 111 471 RECORD OM (MD) number)	T (MD) 4 7 1 SACKS CE	PROI	DLE SIZE 17 1/2 2 1/4 7 7/8  SCREEN (M  32.  DEPTH IN  2984	D)  ACID TERVAL .5-411	30. SIZE 2 7/ D, SHOT (MD) 8'	Circ 4: Circ 6: 1000	25sx 50sx sx tubing re depth se 458; fure, cemi ount and k	CORD  (MD)  2  ENT SQI IND OF M  60-5 fo	PACKI DEEZE,	None None None ER SET (MD)  ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R	54 24 15.5 T O P (MD)	LINER BOTT	DEPTH SE 424 111 471 RECORD OM (MD) number)	T (MD)  4  7  1  SACKS CE	PROI pumping 20 RH	32. DEPTH IN 2984	D)  ACID TERVAL .5-411  PAP B	30. SIZE 2 7/ D, SHOT (MD)	Circ 4: Circ 6: 1000	25sx 50sx sx TUBING RE DEPTH SE 4583 TURE, CEMI OUNT AND K	CORD  (MD)  2  ENT SQ( IND OF A  60-5 fo	PACKI  PACKI  JEEZE,  IATERIAL  Or deta	None None None ER SET (MD)  ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R	54 24 15.5 T O P (MD) ECORD (Interval, s	LINER BOTT	DEPTH SE 424 111 471 RECORD OM (MD) number)	T (MD) 4 7 1 SACKS CE	PROI pumping 20 RH	32. DEPTH IN: 2984 DUCTION size and type of HBC HVR	D)  ACID TERVAL .5-411  PAP B	30. SIZE 2 7/ D, SHOT (MD) 8'	Circ 4: Circ 6: 1000	25sx 50sx sx TUBING RE DEPTH SE 4582 FURE, CEMI OUNT AND K See 31	CORD (MD) 2 ENT SQI IND OF M 60-5 fo	Producing of Producing GAS- O	None None ER SET (MD) ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R 33. DATE FIRST PRODUCT 4/8/200	54 24 15.5 T O P (MD) EECORD (Interval, s 2984.5-411 TION PRO 06 HOURS TESTED 24	LINER I BOTT	DEPTH SE 424 111 471 RECORD OM (MD) number)	SACKS CE  SACKS CE  Wing, gas lift, I/2 x 2 x  PROD'N TEST PE	PROI pumping 20 RH FOR RIOD BL.	SCREEN (M  32. DEPTH IN  2984  DUCTION  size and type of IBC HVR  OIL-BBL.	D)  ACID TERVAL .5-411  PAP B	30. SIZE 2 7/ D, SHOT (MD) 8'	Circ 4: Circ 6: 1000 8 8 , FRAC AM	25sx 50sx sx TUBING RE DEPTH SE 458; TURE, CEMI OUNT AND K See 31	CORD  (MD)  ENT SQI IND OF M  60-5 fo	PACKI  PACKI  JEEZE,  JATERIAL  Dr deta  Producing of Pro	None None None ER SET (MD) ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R 33. DATE FIRST PRODUCT 4/8/200 DATE OF TEST 4/14/2006 FLOW. TUBING PRESS	24 15.5  TOP (MD)  EECORD (Interval, s  2984.5-411  TION PRO  6 HOURS TESTED 24  CASING PRESSUE	LINER I BOTT	DEPTH SE 424 111 471  RECORD OM (MD)  number)  2,184  METHOD (Flo 2 1  DKE SIZE  ALCULATED I-HOUR RATE	SACKS CE  SACKS CE  Wing, gas lift, I/2 x 2 x  PROD'N TEST PE	PROI pumping - 20 RH FOR RICHOD BL. 75	32. DEPTH IN 2984 DUCTION size and type of HBC HVR OIL-BBL. 66 GAS-M	D)  ACID TERVAL .5-411	30. SIZE 2 7/ D, SHOT (MD) 8'  BNC GAS-MC	Circ 4: Circ 6: 1000  8  , FRAC  AM  F. 64  WATER	25sx 50sx sx TUBING RE DEPTH SE 4582  FURE, CEMI OUNT AND K See 31  WELL shut WATER-BI 344 BBL. 391	CORD  F (MD)  2  ENT SQI  IND OF M  60-5 for  STATUS (in)  BL.	PACKI  PACKI  JEEZE,  IATERIAL  Or deta  Producing of Pro	None None None ER SET (MD) ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R 33. DATE FIRST PRODUCT 4/8/200 DATE OF TEST 4/14/2006 FLOW. TUBING PRESS	24 15.5  TOP (MD)  EECORD (Interval, s  2984.5-411  TION PRO  6 HOURS TESTED 24  CASING PRESSUE	LINER I BOTT	DEPTH SE 424 111 471  RECORD OM (MD)  number)  2,184  METHOD (Flo 2 1  DKE SIZE  ALCULATED I-HOUR RATE	SACKS CE  SACKS CE  Wing, gas lift, I/2 x 2 x  PROD'N TEST PE	PROI pumping - 20 RH FOR RICHOD BL. 75	OLE SIZE  17 1/2 2 1/4 7 7/8  SCREEN (M  32. DEPTH IN  2984  DUCTION  Size and type of HBC HVR  OIL-BBL.  66	D)  ACID TERVAL .5-411  PAP B	30. SIZE 2 7/ D, SHOT (MD) 8'  BNC GAS-MC	Circ 4: Circ 6: 1000  8 , FRAC  AMM  FF. 64 WATER	25sx 50sx sx TUBING RE DEPTH SE 4583 TURE, CEMI OUNT AND K See 31  WATER-B 344 BBL. 391	CORD (MD) 2 ENT SQI IND OF M 60-5 fo	Producing of Producing GAS-0 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3	None None None ER SET (MD) ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R 33. DATE FIRST PRODUCT 4/8/200 DATE OF TEST 4/14/2006	TOP (MD)	LINER I BOTT	DEPTH SE  424 111 471  RECORD OM (MD)  number)  1,184  METHOD (Floration of the content of the c	SACKS CE  SACKS CE  SACKS CE  SACKS CE  PROD'N TEST PE  OIL-B	PROI pumping 20 RH FOR RIOD BL. 75	SCREEN (M  32. DEPTH IN  2984  DUCTION  size and type of HBC HVR  OIL-BBL.  66  GAS-M	D)  ACID TERVAL .5-411  PAP B	30. SIZE 2 7/ D, SHOT (MD) 8'  BNC GAS-MC	Circ 4: Circ 6: 1000  8 , FRAC  AMM  F. 64 WATER  CEPT	25sx 50sx sx TUBING RE DEPTH SE 4583 TURE, CEMI OUNT AND K See 31  WATER-B 344 BBL. 391 ED FOR	CORD (MD) 2 ENT SQI IND OF M 60-5 fo	Producing of Producing GAS-0 2 2 2 2 2 2 3 3 3 3 3 3 3 3	None None None ER SET (MD) ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55  29.  SIZE  31. PERFORATION R  33.  DATE FIRST PRODUCT 4/8/200  DATE OF TEST 4/14/2006  FLOW. TUBING PRESS  34. DISPOSITION OF	TOP (MD)	LINER I BOTT	DEPTH SE  424 111 471  RECORD OM (MD)  number)  1,184  METHOD (Floration of the content of the c	SACKS CE  SACKS CE  SACKS CE  SACKS CE  PROD'N TEST PE  OIL-B	PROI pumping 20 RH FOR RIOD BL. 75	32. DEPTH IN 2984 DUCTION size and type of HBC HVR OIL-BBL. 66 GAS-M	D)  ACID TERVAL .5-411  PAP B	30. SIZE 2 7/ D, SHOT (MD) 8'  BNC GAS-MC	Circ 4: Circ 6: 1000  8 , FRAC  AMM  F. 64 WATER  CEPT	25sx 50sx sx TUBING RE DEPTH SE 4583 TURE, CEMI OUNT AND K See 31  WATER-B 344 BBL. 391 ED FOR	CORD (MD) 2 ENT SQI IND OF M 60-5 fo	Producing of Producing GAS-0 2 2 2 2 2 2 3 3 3 3 3 3 3 3	None None None ER SET (MD) ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R 33. DATE FIRST PRODUCT 4/8/200 DATE OF TEST 4/14/2006 FLOW. TUBING PRESS 34. DISPOSITION OF	TOP (MD)	LINER I BOTT	DEPTH SE  424 111 471  RECORD OM (MD)  number)  1,184  METHOD (Floration of the content of the c	SACKS CE  SACKS CE  SACKS CE  SACKS CE  SACKS CE  OIL-B  OOTMAtion I	PROI  pumping 20 RH FOR RICOD  BL. 75	SCREEN (M  32. DEPTH IN  2984  DUCTION  size and type of HBC HVR  GAS-M  GAS-M  Gete and corr	D)  ACID TERVAL .5-411  PUMP) PAP B  ACE. 187	30. SIZE 2 7/ D, SHOT (MD) 8'  BNC GAS-MC 16 AC(	Eirc 4: Circ 6: 1000  8  , FRAC  AMM  F. 64  WATER  CEPT  SGD.	VALUE OF CREED FOR THE PARTY OF	CORD (MD) 2 ENT SQI IND OF M 60-5 for STATUS ( in) GL. CIL GRO REC(	Producing of Producing GAS-0 2 38 ORD	None None None ER SET (MD) ETC USED II
13 3/8 K-55 8 5/8 K-55 5 1/2 J-55 29. SIZE 31. PERFORATION R 33. DATE FIRST PRODUCT 4/8/200 DATE OF TEST 4/14/2006 FLOW. TUBING PRESS 34. DISPOSITION OF	TOP (MD)	LINER I BOTT	DEPTH SE  424 111 471  RECORD OM (MD)  number)  1,184  METHOD (Floration of the content of the c	SACKS CE  SACKS CE  SACKS CE  SACKS CE  PROD'N TEST PE  OIL-B	PROI  pumping 20 RH FOR RICOD  BL. 75	SCREEN (M  32. DEPTH IN  2984  DUCTION  size and type of HBC HVR  GAS-M  GAS-M  Gete and corr	D)  ACID TERVAL .5-411  PAP B	30. SIZE 2 7/ D, SHOT (MD) 8'  BNC GAS-MC 16 AC(	Eirc 4: Circ 6: 1000  8 , FRAC AMM  F. 64 WATER  CEPT  SGD.	25sx 50sx sx TUBING RE DEPTH SE 4583 TURE, CEMI OUNT AND K See 31  WATER-B 344 BBL. 391 ED FOR	CORD (MD) 2 ENT SQI IND OF M 60-5 fo  STATUS (in) BL. OIL GR.	Producing of Producing GAS-0 2 2 2 2 2 2 3 3 3 3 3 3 3 3	None None None ER SET (MD) ETC USED II

37. SUMMARY OF POROUS ZONES- (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): 38. GEOLOGIC MARKERS . FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC. TOP NAME TRUE VERT DEPTH MEAS.DEPTH Grayburg Jackson SR Q G 2984 4118 SA Queen 2060 2750 San Andres Glorietta 4198 LO.  $\odot$